

Print selected from 09-738,954. tnm05/23/2003

FILE 'HOME' ENTERED AT 09:01:44 ON 22 MAY 2003

=> f11 caplus
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FULL ESTIMATED COST
FILE 'CAPLUS' ENTERED AT 09:01:53 ON 22 MAY 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 22 MAY 2003 VOL 138 ISS 21
FILE LAST UPDATED: 21 MAY 2003 (20030521/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> e us2002045194/pn
E1 US2002045192/PN
E2 1 US2002045193/PN
E3 2 --> US2002045194/PN
E4 2 US2002045195/PN
E5 1 US2002045196/PN
E6 1 US2002045197/PN
E7 1 US2002045198/PN
E8 1 US2002045199/PN
E9 3 US2002045200/PN
E10 1 US2002045201/PN
E11 1 US2002045202/PN
E12 1 US2002045203/PN

=> s e3
L1 2 US2002045194/PN

=> d 1-2

L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 2001:763323 CAPLUS
DN 135:315598
TI Methods for proteomic analysis using activity based probes for target proteins
IN Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory
PA Scripps Research Institute, USA
SO PCT Int. Appl., 119 pp.
CODEN: PIXXD2

Print selected from 09-738,954. tnm05/23/2003

DT Patent
LA English
FAN.CNT 2

PATENT NO.

KIND	DATE	APPLICATION NO.	DATE
WO	2001077684	A2	20011018

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NZ, NI, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BU, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG, EP 1275006 A2 20030115 US 2002045194 A1 20020418 US 2000-990226 20001215
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IL, LU, NI, SE, MC, PT, IE, SI, LT, LV, FI, RO, MX, CY, AL, TR
US 2002040275 A1 20020404 US 20020409 A1 20020530 US 2002182652 A1 20021205
US 2000-195954P P 20000610
PRAI US 2000-212891P P 20000620
US 2000-222532P P 20000802
US 2000-738271 A1 20001215
US 2000-738954 A1 20001215
WO 2000-US34187 W 20001215
MARFAT 135:315598

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 2001:763309 CAPLUS
DN 135:315597

TI Methods for bioactivity screening of candidate compounds using activity based probes

IN Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory
PA Scripps Research Institute, USA
SO PCT Int. Appl., 118 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 2

PATENT NO.

KIND	DATE	APPLICATION NO.	DATE
WO	2001077668	A2	20011018

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NZ, NI, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BU, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG, EP 1275006 A2 20030115 US 2002045194 A1 20020418 US 2000-990226 20001215
US 2002045194 A1 20020418 US 2000-738954 20001215
US 2002040275 A1 20020404 US 2001-836148 20010416
US 2002064799 A1 20020530 US 2001-836145 20010416

Print selected from 09-738,954. lrm05/23/2003

US 2002182652	AI	20021205	US 2002-158498	20020529
PRAT US 2000-195954P	P	20000610		
US 2000-212891P	P	20000620		
US 2000-222512P	P	20000802		
US 2000-738271	AI	20001215		
US 2000-738954	AI	20001215		
OS				
MARKPAT 1351315597				

=> bel rn 2
B1 THROUGH E94 ASSIGNED

	SINCE FILE	TOTAL
	ENTRY	SESSION
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	4.66	4.87

FILE 'REGISTRY' ENTERED AT 09:02:51 ON 22 MAY 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGTERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9
DICTIONARY FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNOTE 27. Searching Properties
in the CAS Registry file for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/rnnoce27.pdf>

=> B. el-e94

1 10049-08-8/BI
(10049-08-8/RN)
1 107-29-9/BI
(107-29-9/RN)
1 111-87-5/BI
(111-87-5/RN)
1 112-43-6/BI
(112-43-6/RN)
1 112-60-7/BI
(112-60-7/RN)
1 115416-38-1/BI
(115416-38-1/RN)
1 117800-97-2/BI
(117800-97-2/RN)
1 121-44-8/BI
(121-44-8/RN)
1 122-52-1/BI
(122-52-1/RN)

Print selected from 09-738,954. lrm05/23/2003

1 124-63-0/BI
(124-63-0/RN)
1 126092-21-5/BI
(126092-21-5/RN)
1 134179-40-1/BI
(134179-40-1/RN)
1 13537-32-1/BI
(13537-32-1/RN)
1 156125-40-5/BI
(156125-40-5/RN)
1 16156-52-8/BI
(16156-52-8/RN)
1 16629-19-9/BI
(16629-19-9/RN)
1 18704-37-5/BI
(18704-37-5/RN)
1 2386-60-9/BI
(2386-60-9/RN)
1 259270-26-3/BI
(259270-26-3/RN)
1 259270-27-4/BI
(259270-27-4/RN)
1 259270-28-5/BI
(259270-28-5/RN)
1 259270-29-6/BI
(259270-29-6/RN)
1 2857-97-8/BI
(2857-97-8/RN)
1 338964-01-5/BI
(338964-01-5/RN)
1 338964-02-6/BI
(338964-02-6/RN)
1 338964-03-7/BI
(338964-03-7/RN)
1 338964-04-8/BI
(338964-04-8/RN)
1 338964-05-9/BI
(338964-05-9/RN)
1 338964-06-0/BI
(338964-06-0/RN)
1 342792-15-8/BI
(342792-15-8/RN)
1 342792-16-9/BI
(342792-16-9/RN)
1 342792-17-0/BI
(342792-17-0/RN)
1 342792-18-1/BI
(342792-18-1/RN)
1 342792-19-2/BI
(342792-19-2/RN)
1 342792-20-5/BI
(342792-20-5/RN)
1 342792-21-6/BI
(342792-21-6/RN)
1 342792-22-7/BI
(342792-22-7/RN)
1 342792-23-8/BI
(342792-23-8/RN)
1 342792-24-9/BI
(342792-24-9/RN)

(342792-24-9/RN)
 1 342792-25-0/BI
 (342792-25-0/RN)
 1 342792-26-1/BI
 (342792-26-1/RN)
 1 342792-27-2/BI
 (342792-27-2/RN)
 1 367478-49-7/BI
 (367478-49-7/RN)
 1 367478-57-7/BI
 (367478-57-7/RN)
 1 367478-66-8/BI
 (367478-66-8/RN)
 1 367478-71-5/BI
 (367478-71-5/RN)
 1 367478-76-0/BI
 (367478-76-0/RN)
 1 367478-80-6/BI
 (367478-80-6/RN)
 1 367478-84-0/BI
 (367478-84-0/RN)
 1 367478-88-4/BI
 (367478-88-4/RN)
 1 367478-96-4/BI
 (367478-96-4/RN)
 1 367479-00-3/BI
 (367479-00-3/RN)
 1 367479-05-8/BI
 (367479-05-8/RN)
 1 367479-14-9/BI
 (367479-14-9/RN)
 1 367479-19-4/BI
 (367479-19-4/RN)
 1 367479-24-1/BI
 (367479-24-1/RN)
 1 367479-27-4/BI
 (367479-27-4/RN)
 1 367479-31-0/BI
 (367479-31-0/RN)
 1 367479-35-4/BI
 (367479-35-4/RN)
 1 367480-61-3/BI
 (367480-61-3/RN)
 1 367944-46-5/BI
 (367944-46-5/RN)
 1 367944-47-6/BI
 (367944-47-6/RN)
 1 367944-48-7/BI
 (367944-48-7/RN)
 1 367944-49-8/BI
 (367944-49-8/RN)
 1 367944-50-1/BI
 (367944-50-1/RN)
 1 367944-51-2/BI
 (367944-51-2/RN)
 1 367944-53-4/BI
 (367944-53-4/RN)
 1 367944-54-5/BI
 (367944-54-5/RN)

1 367944-55-6/BI
 (367944-55-6/RN)
 1 367944-57-8/BI
 (367944-57-8/RN)
 1 38078-09-0/BI
 (38078-09-0/RN)
 1 51148-67-5/BI
 (51148-67-5/RN)
 1 52-90-4/BI
 (52-90-4/RN)
 1 52355-50-7/BI
 (52355-50-7/RN)
 1 56-45-1/BI
 (56-45-1/RN)
 1 56-84-8/BI
 (56-84-8/RN)
 1 56-86-0/BI
 (56-86-0/RN)
 1 58-85-5/BI
 (58-85-5/RN)
 1 6066-82-6/BI
 (6066-82-6/RN)
 1 66715-65-9/BI
 (66715-65-9/RN)
 1 71-00-1/BI
 (71-00-1/RN)
 1 7681-82-5/BI
 (7681-82-5/RN)
 1 7723-14-0/BI
 (7723-14-0/RN)
 1 7766-49-6/BI
 (7766-49-6/RN)
 1 7782-41-4/BI
 (7782-41-4/RN)
 1 7795-95-1/BI
 (7795-95-1/RN)
 1 83637-49-4/BI
 (83637-49-4/RN)
 1 9027-41-2/BI
 (9027-41-2/RN)
 1 9028-86-8/BI
 (9028-86-8/RN)
 1 93-11-8/BI
 (93-11-8/RN)
 1 98-09-9/BI
 (98-09-9/RN)
 1 98-59-9/BI
 (98-59-9/RN)
 1 98-68-0/BI
 (98-68-0/RN)
 1 98-74-8/BI
 (98-74-8/RN)
 94 (10049-08-8/BI OR 107-29-9/BI OR 111-87-5/BI OR 112-43-6/BI OR
 112-60-7/BI OR 115416-38-1/BI OR 117800-97-2/BI OR 121-44-8/BI
 OR 122-52-1/BI OR 124-63-0/BI OR 126092-21-5/BI OR 134179-40-1/BI
 OR 13537-32-1/BI OR 156125-40-5/BI OR 16156-52-8/BI OR 16629-1
 9-9/BI OR 18704-37-5/BI OR 2386-60-9/BI OR 259270-26-3/BI OR
 259270-27-4/BI OR 259270-28-5/BI OR 259270-29-6/BI OR 2857-97-8/
 BI OR 338964-01-5/BI OR 338964-02-6/BI OR 338964-03-7/BI OR

[illegible]

L2 ANSWER 1 OF 94 REGISTRY COPYRIGHT 2003 ACS

CN
 L-lysine, L-cytosyl-L-valyl-L-leucylglycyl-L-asparaginy-L-prolyl-L-leucyl
 L-threonyl-L-glutamylglycyl-L-isoleucyl-L-asparaginy-L-glutamylglycyl
 L-prolyl-L-glutamyl-L-isoleucyl-L- α -aspartyl- (9CT) (CA INDEX
 NAME)
 OTHER NAME:

CN 10: PN: W00177668 FIGURE: 13 unclaimed sequence

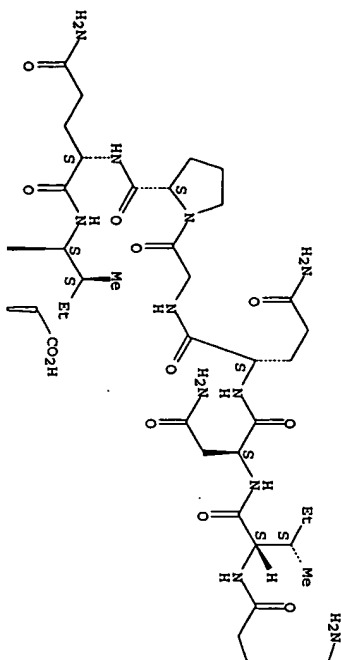
MF C91 H147 N25 029

SR CA

LC STN Files: CA, CAPLUS, USPATFULL.

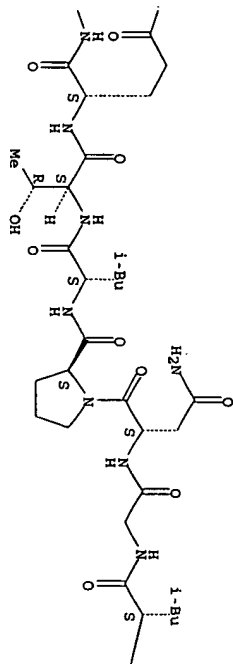
Absolute stereochemistry.

PAGE 1-A

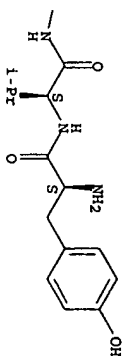


Page 7

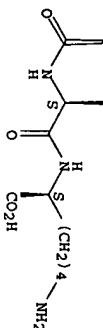
PAGE 1-B



PAGE 1-C



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 2 OF 94 REGISTRY COPYRIGHT 2003 ACS

CN L-Arginine, glycyl-L-phenylalanyl-L-valyl-L-glutaminy-L-

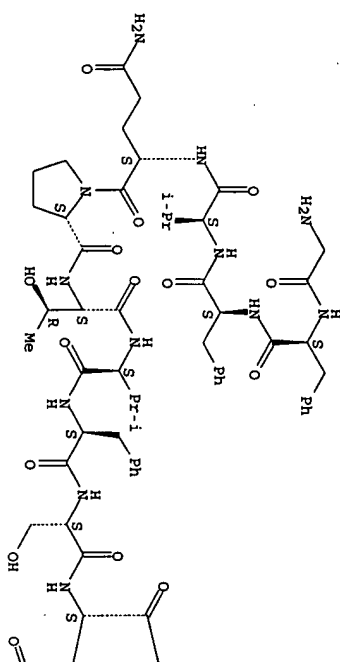
INDEX NAME	(9CI)	(CA)
threonyl-L- α -aspartyl-L- α -glutamyl-L-methionyl-		

OTHER NAMES:

CN 9: PN: WO0177668 FIGURE: 13 unclaimed sequence

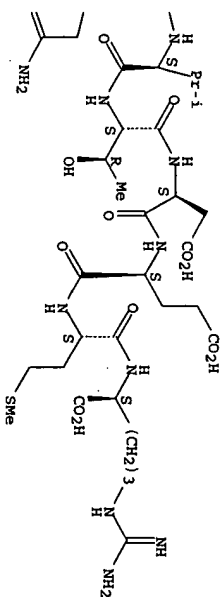
Page 8

FS PROTEIN SEQUENCE, STEREOSARCH
MF C89 H132 N22 O27 S
SR CA
LC STN Files: CA, CAPIUS, USPATFULL
Absolute stereochemistry.



PAGE 1-A

PAGE 1-B



Page 9

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 3 OF 94 REGISTRY COPYRIGHT 2003 ACS
BY 367044 F4 E DECEMBER

CN L-Arginine, L-isoleucine, isoleucine, L-proline, L-

isoleucyl-L-phenylalanyl-L-threonyl-L-phenylalanyl-L-threonyl- (9CI) (CA
INDEX NAME)

INDEX NAME)

OTHER NAMES:

8: PN: WO0177668
FIGURE: 13
unclaimed sequence

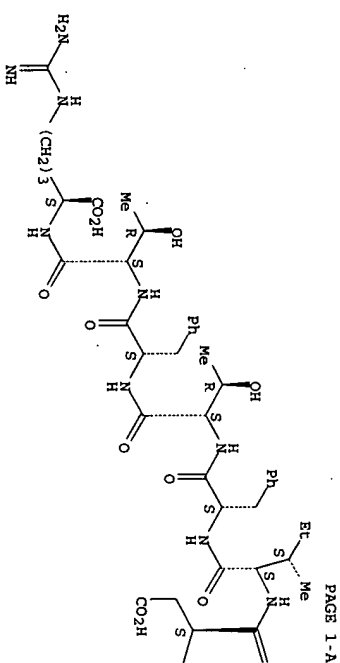
ES PROTEIN SEQUENCE. STEREOSEARCH
CN 8: PN: W00177684 FIGURE: 13 um

ME C85 H129 N23 027
F5 PROTEIN SEQUENCE; SIEKESARCH
F5

ME 603 11427 NZ3 027
SR CA

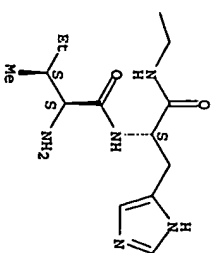
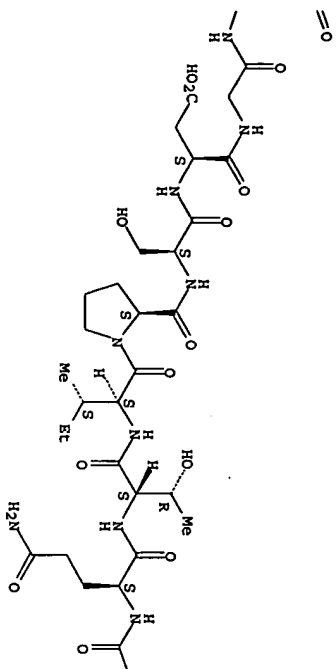
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PAGE 1-A

Page 10

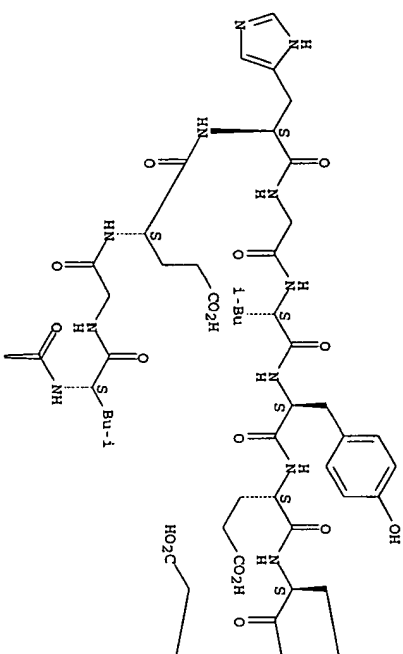


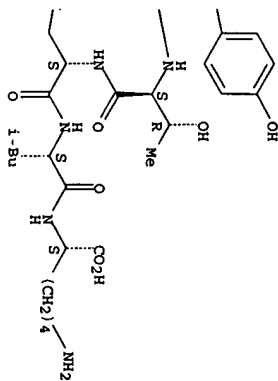
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 4 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367944-53-4 REGISTRY
CN L-leucine, L- α -glutamyl-L-leucylglycyl-L- α -glutamyl-L-histidylglycyl-L-leucyl-L-tyrosyl-L- α -glutamyl-L-tyrosyl-L-threonyl-L- α -glutamyl-L-leucyl- (9CI) (CA INDEX NAME)

OTHER NAMES:
CN 7: PN: W00177668 FIGURE: 13 unclaimed sequence
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C76 H113 N17 O26
SR CA
LC STW Files: CA, CAPLUS, USPAPFUL

Absolute stereochemistry.

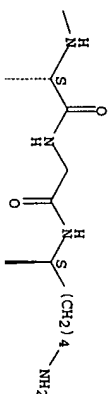
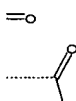
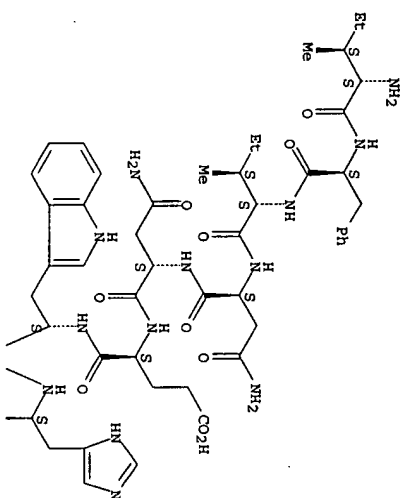


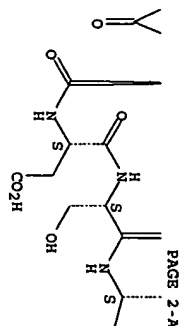


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

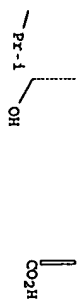
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPUS (1957 TO DATE)

L2 ANSWER 5 OF 94. REGISTRY COPYRIGHT 2003 ACS
RN 367944-51-2. REGISTRY
CN L-lysine, L-isoleucyl-L-phenylalanyl-L-isoleucyl-L-asparaginy-L-asparaginy-L-alpha-glutamyl-L-tryptophyl-L-histidyl-L-alpha-aspartyl-L-seryl-L-valyl-L-serylglycyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 6: PN: W00177668 FIGURE: 13 unclaimed sequence
CN 6: PN: W00177684 FIGURE: 13 unclaimed sequence
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C74 H108 N20 O23
SR CA
LC STN files: CA, CAPUS, USPTFULL
Absolute stereochemistry.





PAGE 2-A



PAGE 2-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 6 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367944-50-1 REGISTRY

CN L-Arginine, L-Isoleucyl-L-phenylalanyl-L-tyrosyl-L- α -glutamyl-L- α -glutamyl-L-leucyl-L-valyl-L-tyrosyl-L- α -aspartyl-L- α -glutamyl-L- α -glutamyl-L-valyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

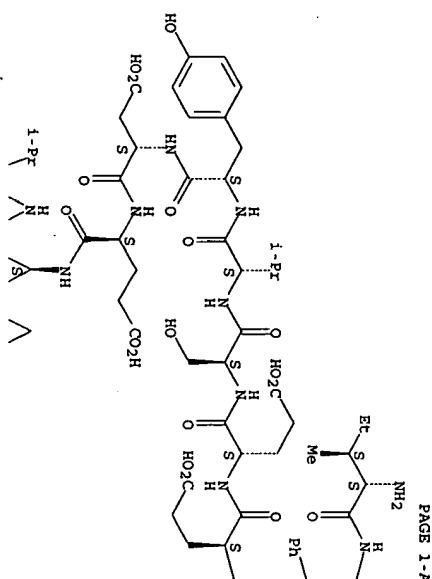
CN 5: PN: WO0177668 FIGURE: 13 unclaimed sequence

PS	PROTEIN SEQUENCE
ME	C76 V108 N16 Q27

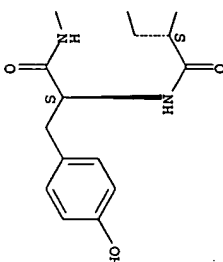
ME C76
SB CA

LC STN Files: CA, CAPLUS, USPATFULL

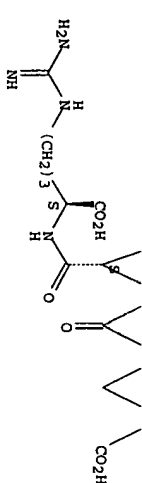
Absolute stereochemistry.



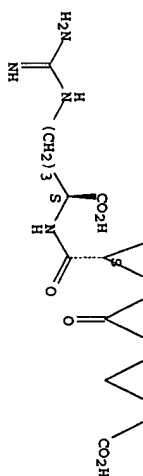
PAGE 1-1



PAGE 1-E



PAGE 2-1



PAGE 2-A

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 7 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 367944-49-8 REGISTRY

CN L-lysine, L-valyl-L-phenylalanyl-L-alanyl-L-asparaginyl-L-alanyl-L-tyrosyl-L-leucyl-L-seryl-L-alpha-aspartyl-L-leucylglycyl-L-seryl-L-isoleucyl-(9CI) (CA INDEX NAME)

OTHER NAMES:

4: PN: W00177668 FIGURE: 13 unclaimed sequence

4: PN: W00177684 FIGURE: 13 unclaimed sequence

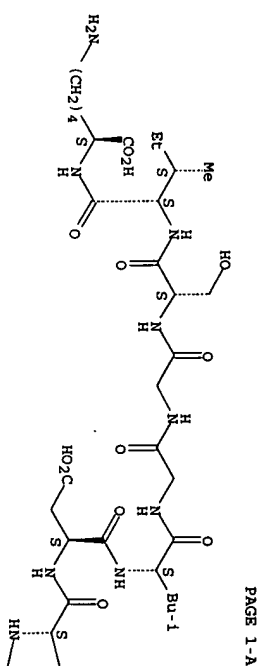
PS	PROTEIN SEQUENCE
ME	C71 H111 N17 O22

ME C/1 HILL NY 022
SR CA

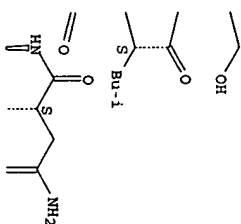
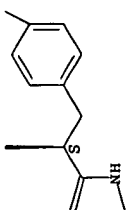
SK CA STN Files: CA, CAPLUS, USPATFULL
LC

5C, CARLOS, USFALFOLO

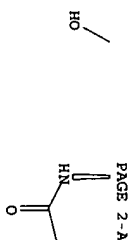
Absolute stereochemistry.



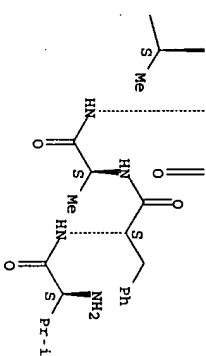
PAGE 1-A



PAGE 1-B



PAGE 2-A



PAGE 2-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 2 REFERENCES IN FILE CA (1957 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 8 OF 94 REGISTRY COPYRIGHT 2003 ACS

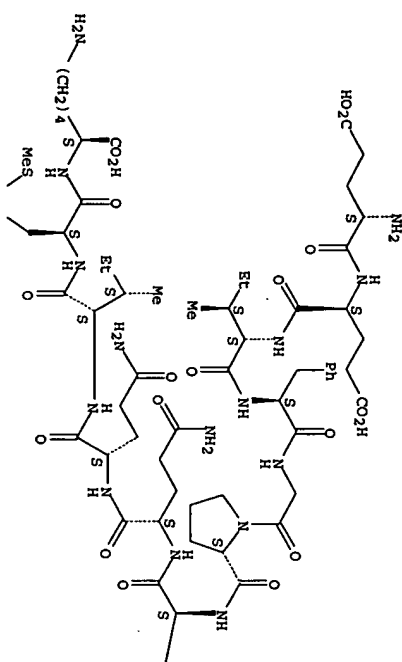
RN 367944-48-7 REGISTRY
CN L-lysine, L-alpha.-glutamyl-L-alpha.-glutamyl-L-isooleucyl-L-phenylalanyl-glycyl-L-prolyl-L-valyl-L-glutamyl-L-glutamyl-L-isooleucyl-L-methylonyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

3: PN: W00177668 FIGURE: 13 unclaimed sequence
FS PROTEIN SEQUENCE: STEREOSEARCH
MF C64 H103 N15 O19 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1957 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 9 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 367944-47-6 REGISTRY
CN L-arginine, L-glutamyl-L-alanyl-L-phenylalanyl-L-isooleucyl-glycyl-L-seryl-L-prolyl-L-tryptophyl- (9CI) (CA INDEX NAME)

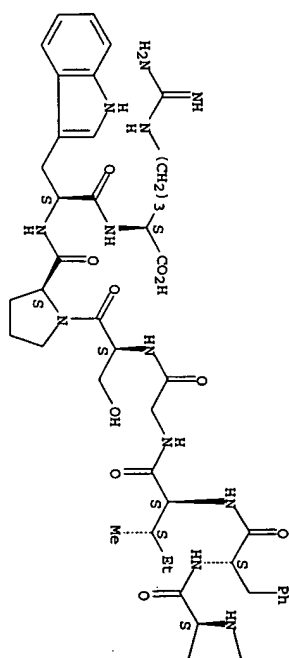
OTHER NAMES:

2: PN: W00177668 FIGURE: 13 unclaimed sequence
CN 2: PN: W00177684 FIGURE: 13 unclaimed sequence
FS PROTEIN SEQUENCE: STEREOSEARCH
MF C50 H72 N14 O12
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

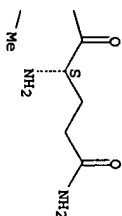
Absolute stereochemistry.

PAGE 2-A

Pr-1



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 10 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 367944-46-5 REGISTRY

l-Arginine, glycyl-L-phenylalanyl-L-valyl-L-alanyl-L-
isoleucyl-L- α -glutamyl-L-histidyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

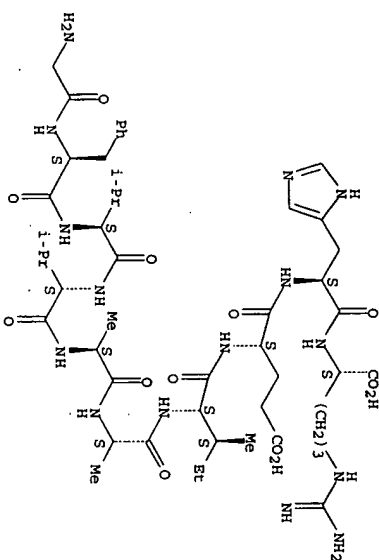
CN 1: PN: W00177668 PAGE: 66 unclaimed sequence

FS PROTEIN SEQUENCE; STEREOSEARCH

ME C50 H79 N15 O13

SR CA

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 11 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 367480-61-3 REGISTRY

CN Phosphonofluoridic acid, [25-(1(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-

ethyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH

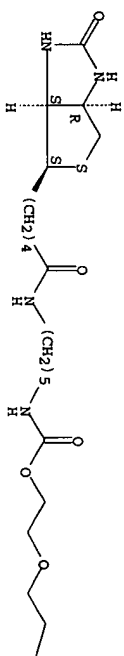
MF C26 H48 F N4 O9 P S

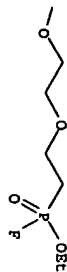
STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry

PAGE 1-A

Absolute stereochemistry

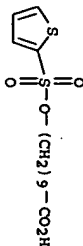




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

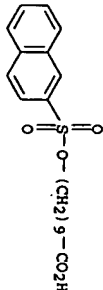
L2 ANSWER 12 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-35-4 REGISTRY
CN Decanoic acid, 10-[(2-thienylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H22 O5 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

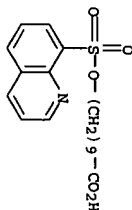
L2 ANSWER 13 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-31-0 REGISTRY
CN Decanoic acid, 10-[(2-naphthalenylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H26 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

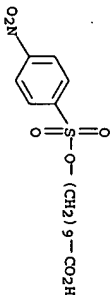
L2 ANSWER 14 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-27-4 REGISTRY
CN Decanoic acid, 10-[(8-quinoliny)sulfonyl]oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H25 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 15 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-24-1 REGISTRY
CN Decanoic acid, 10-[(4-nitrophenyl)sulfonyl]oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H23 N O7 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



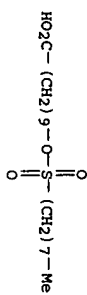
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 16 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-19-4 REGISTRY

Print selected from 09-738,954.rtn05/23/2003

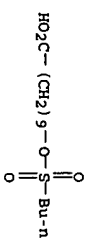
CN Decanoic acid, 10-[(octylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H36 O5 S
SR CA
LC STN files: CA, CAPLUS, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

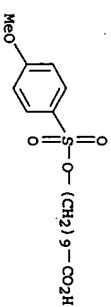
L2 ANSWER 17 OF 94, REGISTRY COPYRIGHT 2003 ACS
RN 367479-14-9, REGISTRY
CN Decanoic acid, 10-[(butylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H28 O5 S
SR CA
LC STN files: CA, CAPLUS, USPATFULL



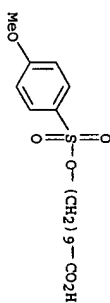
****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 18 OF 94, REGISTRY COPYRIGHT 2003 ACS
RN 367479-05-8, REGISTRY
CN Decanoic acid, 10-[[[4-methoxyphenyl]sulfonyl]oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H26 O6 S
SR CA
LC STN files: CA, CAPLUS, USPATFULL



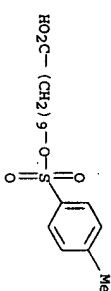
Print selected from 09-738,954.rtn05/23/2003



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

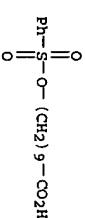
L2 ANSWER 19 OF 94, REGISTRY COPYRIGHT 2003 ACS
RN 367479-00-3, REGISTRY
CN Decanoic acid, 10-[[[4-methylphenyl]sulfonyl]oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H26 O5 S
SR CA
LC STN files: CA, CAPLUS, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

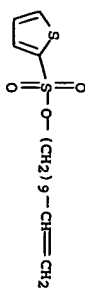
L2 ANSWER 20 OF 94, REGISTRY COPYRIGHT 2003 ACS
RN 367478-96-4, REGISTRY
CN Decanoic acid, 10-[(phenylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H24 O5 S
SR CA
LC STN files: CA, CAPLUS, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

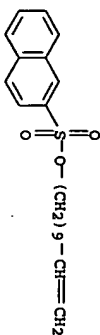
L2 ANSWER 21 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-88-4 REGISTRY
CN 2-Thiophenesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H24 O3 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFUL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

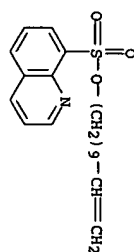
L2 ANSWER 22 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-84-0 REGISTRY
CN 2-Naphthalenesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H28 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFUL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

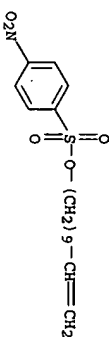
L2 ANSWER 23 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-80-6 REGISTRY
CN 8-Quinolinesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H27 N O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFUL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

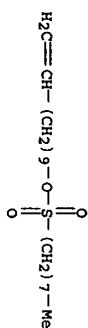
L2 ANSWER 24 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-76-0 REGISTRY
CN Benzenesulfonic acid, 4-nitro-, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H25 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFUL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

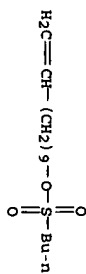
L2 ANSWER 25 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-71-5 REGISTRY
CN 1-Octanesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H38 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFUL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

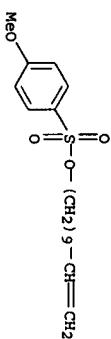
L2 ANSWER 26 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-66-8 REGISTRY
CN 1-Butanesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H30 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 27 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-57-7 REGISTRY
CN Benzenesulfonic acid, 4-methoxy-, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H28 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

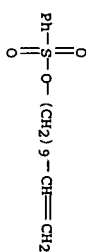


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 28 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-49-7 REGISTRY
CN 10-Undecen-1-ol, benzenesulfonate (9CI) (CA INDEX NAME)
FS 3D CONCORD

MF C17 H26 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

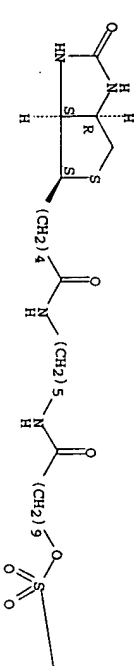


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 29 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-27-2 REGISTRY
CN 2-Thiophenesulfonic acid, 10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H48 N4 O6 S3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

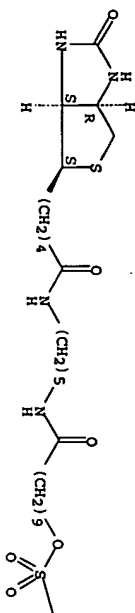
4 REFERENCES IN FILE CA (1957 TO DATE)

4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

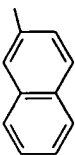
L2 ANSWER 30 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 342792-26-1 REGISTRY
 CN 2-Naphthalenesulfonic acid, 10-[[5-[[5-[[3aS,4S,6aR]-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C35 H52 N4 O6 S2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFILL

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 31 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 342792-25-0 REGISTRY
 CN 8-Quinolinesulfonic acid, 10-[[5-[[5-[[3aS,4S,6aR]-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C34 H51 N5 O6 S2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFILL

Absolute stereochemistry.

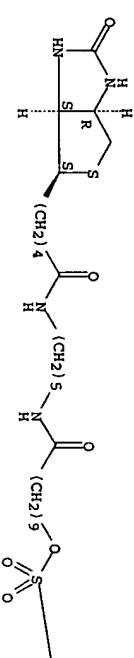
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

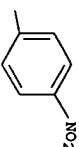
L2 ANSWER 32 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 342792-24-9 REGISTRY
 CN Benzenesulfonic acid, 4-nitro-, 10-[[5-[[5-[[3aS,4S,6aR]-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C31 H49 N5 O8 S2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFILL

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



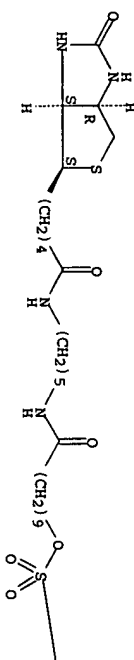
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

Print selected from 09-738,954.tln05/23/2003

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

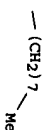
L2 ANSWER 33 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-23-8 REGISTRY
CN 1-Octanesulfonic acid, 10-[[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C33 H62 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.
STN Files: CA, CAPLUS, USPATFULL



PAGE 1-A

PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 34 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-22-7 REGISTRY
CN 1-Butanesulfonic acid, 10-[[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H54 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

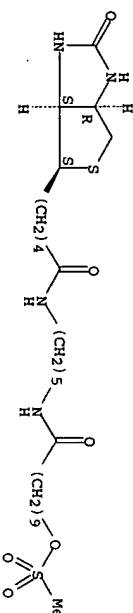
Page 33

Print selected from 09-738,954.tln05/23/2003

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 35 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-21-6 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-N-[5-[[10-[(methylsulfonyl)oxy]-1-oxodecyl]amino]pentyl]-2-oxo-, (3aS,4S,6aR) - (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C26 H48 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

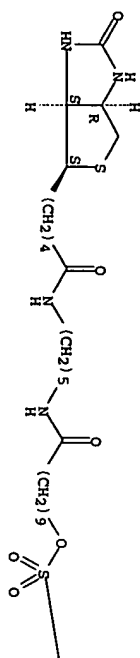
4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 36 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-20-5 REGISTRY
CN Benzenesulfonic acid, 4-methoxy-, 10-[[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C32 H52 N4 O7 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

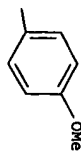
Absolute stereochemistry.

Page 34

PAGE 1-A



PAGE 1-B



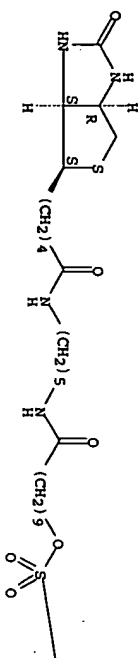
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

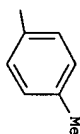
L2 ANSWER 37 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-19-2 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-N-[5-[(10-[(4-methylphenyl)sulfonyl]oxy)-1-oxodecyl]amino]pentyl]-2-oxo-, (3aS,4S,6aR)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C32 H52 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

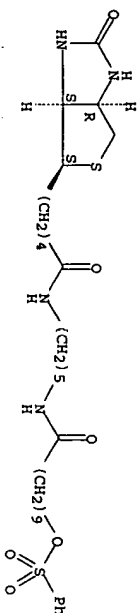


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 38 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-18-1 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-2-oxo-N-[5-[(11-oxo-10-[(phenylsulfonyl)oxy]decyl)amino]pentyl]-, (3aS,4S,6aR)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C31 H50 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



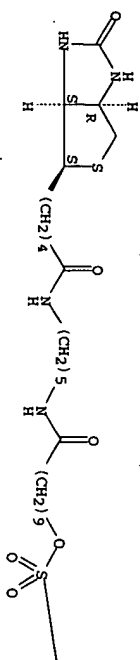
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 39 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-17-0 REGISTRY
CN 2-Pyridinesulfonic acid, 10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl)amino]pentyl]amino]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C30 H49 N5 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



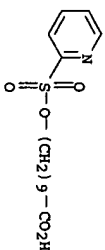
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 40 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-16-9 REGISTRY
CN Decanoic acid, 10-[(2-pyridinylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H23 N O5 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

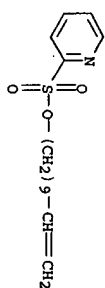


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 41 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-15-8 REGISTRY
CN 2-Pyridinesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H25 N O3 S
SR CA

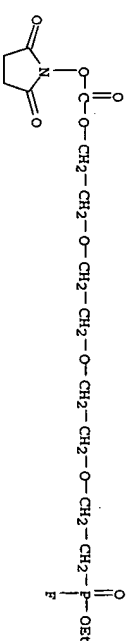
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

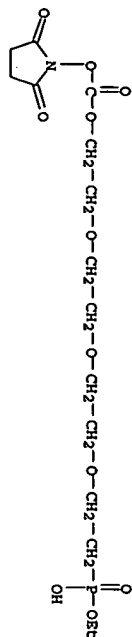
L2 ANSWER 42 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-06-0 REGISTRY
CN Phosphonofluoridic acid, [13-[(2,5-dioxo-1-pyrroliidinyl)oxy]-13-oxo-3,6,9,12-tetraoxatridec-1-yl]-, ethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H25 F N O10 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES IN FILE CAPLUS (1957 TO DATE)

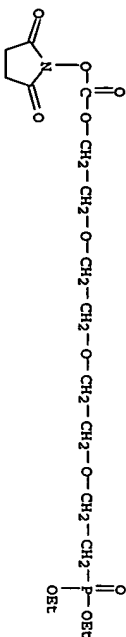
L2 ANSWER 43 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-05-9 REGISTRY
CN Phosphonic acid, [13-[(2,5-dioxo-1-pyrroliidinyl)oxy]-13-oxo-3,6,9,12-tetraoxatridec-1-yl]-, monoethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H26 N O11 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

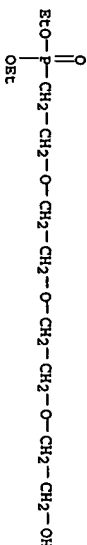
L2 ANSWER 44 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-04-8 REGISTRY
CN Phosphonic acid, [(2,5-dioxo-1-pyrrolidinyl)oxy]-13-oxo-3,6,9,12-tetraoxadec-1-yl]-, diethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H30 N O11 P
SR CA
STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

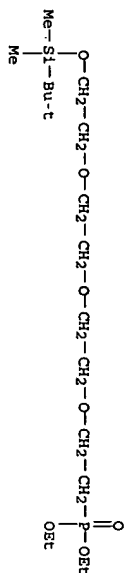
5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 45 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-03-7 REGISTRY
CN Phosphonic acid, [2-[2-(2-hydroxyethoxy)ethoxy]ethyl]-, diethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H27 O7 P
SR CA
STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

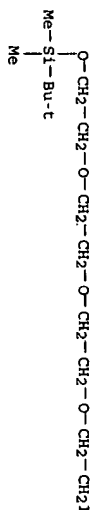
L2 ANSWER 46 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-02-6 REGISTRY
CN Phosphonic acid, [(3,13,14-tetramethyl-3,6,9,12-tetraoxa-13-silapentadec-1-yl)-, diethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H41 O7 P Si
SR CA
STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 47 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-01-5 REGISTRY
CN 4,7,10,13-Tetraoxa-3-silapentadecane, 15-Iodo-2,2,3,3-tetramethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H31 I O4 Si
SR CA
STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



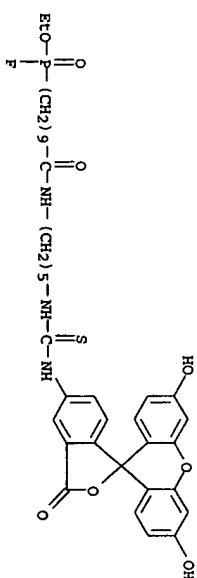
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 48 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 259270-29-6 REGISTRY

Print selected from 09-738,954.tin05/23/2003

CN Phosphonofluoridic acid, [10-[[[5-[[[3',6'-dihydroxy-3-oxo-1,4-benzoxaphenanthrene-1(3H),9'-[9H]xanthene)-5-yl]amino]ethoxymethyl]amino]pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI)
(CA INDEX NAME)
FS 3D CONCORD
MF C38 H47 F N3 O8 P S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

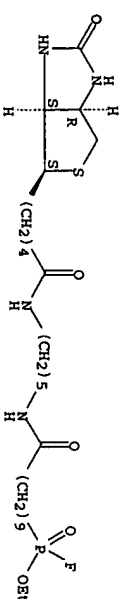


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 49 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 259270-28-5 REGISTRY
CN Phosphonofluoridic acid, [10-[[[5-[[[3as,4s,6ar]-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C27 H50 F N4 O5 P S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



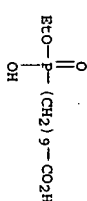
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 50 OF 94 REGISTRY COPYRIGHT 2003 ACS

Print selected from 09-738,954.tin05/23/2003

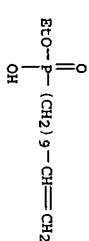
RN 259270-27-4 REGISTRY
CN Decanoic acid, 10-(ethoxyhydroxyphosphinyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H25 O5 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

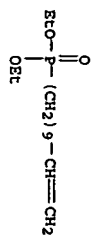
L2 ANSWER 51 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 259270-28-3 REGISTRY
CN Phosphonic acid, 10-undecenyl-, monoethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H27 O3 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 52 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 156125-40-5 REGISTRY
CN Phosphonic acid, 10-undecenyl-, diethyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Diethyl 10-undecenylphosphonate
FS 3D CONCORD
MF C15 H31 O3 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

6 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 53 OF 94 REGISTRY COPYRIGHT 2003 ACS

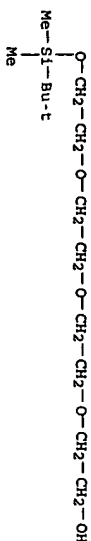
RN 134179-40-1 REGISTRY
CN 4,7,10,13-tetraoxa-3-silapentadecan-15-ol, 2,2,3,3-tetramethyl- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C14 H32 O5 S1

SR CA

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

15 REFERENCES IN FILE CA (1957 TO DATE)
15 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 54 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 126093-21-5 REGISTRY

CN 2-Pyridinesulfonic acid, ethyl ester (9CI) (CA INDEX NAME)

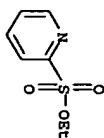
OTHER NAMES: ethyl pyridine-2-sulfonate

FS 3D CONCORD

MF C7 H9 N O3 S

SR CA

LC STN Files: CA, CAPLUS, CASREACT, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 55 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 117800-97-2 REGISTRY
CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)

OTHER NAMES: octyl 2-pyridinesulfonate

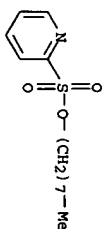
FS 3D CONCORD

MF C13 H21 N O3 S

SR CA

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, USPATFULL

(*File contains numerically searchable property data)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 56 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 115416-38-1 REGISTRY
CN 1H-Tieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl) hexahydro-2-oxo-

OTHER CA INDEX NAMES: (3aS,4S,6aR)-(9CI) (CA INDEX NAME)

CN 1H-Tieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl) hexahydro-2-oxo-

OTHER NAMES: [3aS-(3a.alpha.,4.beta.,6a.alpha.)]-

5-(Biotinamido)pentylamine

CN Biotinyl cadaverine

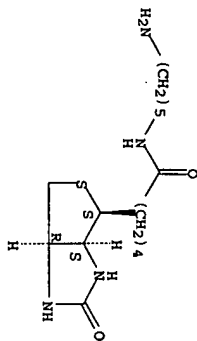
FS STEREOBARCH

MF C15 H28 N4 O2 S

SR CA

LC STN Files: BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, MEDLINE, TOXCENTER, USPATZ, USPATFULL

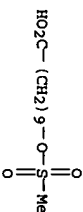
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

60 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
61 REFERENCES IN FILE CAPLUS (1957 TO DATE)

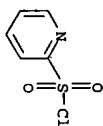
L2 ANSWER 57 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 83637-49-4 REGISTRY
CN Decanoic acid, 10-[(methylsulfonyl)oxy]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H22 O5 S
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

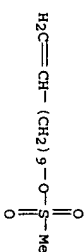
L2 ANSWER 58 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 66715-65-9 REGISTRY
CN 2-Pyridinesulfonyl chloride (6CI, 7CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2-Pyridylsulfonyl chloride
CN 2-Pyridylsulfonyl chloride
CN Pyridin-2-sulfonyl chloride
FS 3D CONCORD
MF C5 H4 Cl N O2 S
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CACOLD, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

72 REFERENCES IN FILE CA (1957 TO DATE)
72 REFERENCES IN FILE CAPLUS (1957 TO DATE)
2 REFERENCES IN FILE CACOLD (PRIOR TO 1967)

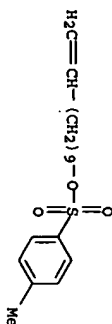
L2 ANSWER 59 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 52353-50-7 REGISTRY
CN 10-Undecen-1-ol, methanesulfonate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 10-Undecenyl methanesulfonate
FS 3D CONCORD
MF C12 H24 O3 S
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

22 REFERENCES IN FILE CA (1957 TO DATE)
22 REFERENCES IN FILE CAPLUS (1957 TO DATE)

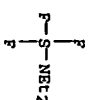
L2 ANSWER 60 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 51148-67-5 REGISTRY
CN 10-Undecen-1-ol, 4-methylbenzenesulfonate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 10-Undecen-1-yl p-toluenesulfonate
CN 10-Undecen-1-yl tosylate
CN 10-Undecenyl p-toluenesulfonate
CN 10-Undecenyl tosylate
CN 10-Undecenyl 4-toluenesulfonate
FS 3D CONCORD
MF C18 H28 O3 S
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX, IFTCDB, IFTPAT, IFTDB, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

56 REFERENCES IN FILE CA (1957 TO DATE)
56 REFERENCES IN FILE CAPLUS (1957 TO DATE)

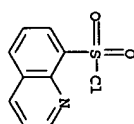
L2 ANSWER 61 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 38078-09-0 REGISTRY
CN Sulfur, (N-ethylmethanaminato)trifluoro-, (T-4) - (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethanamine, N-ethyl-, sulfur complex
OTHER NAMES:
CN (Diethylamino) sulfur trifluoride
CN (Diethylamino) sulphur trifluoride
CN (Diethylamino)trifluoroethyl
CN (N,N-diethylamino) sulfur trifluoride
CN DAST (fluorinating agent)
CN Diethylaminosulfate trifluoride
CN Trifluoro(dichloroamino)sulfur
CN C4 H10 F3 N S
MF STN Files: BEILSTEIN*, BIOSIS*, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMEX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, TOXCENTER, USPAT2, USPATFUL.
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**
(**Enter CHEMLIST file for up-to-date regulatory information)



444 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
444 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 62 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 18704-37-5 REGISTRY
CN 8-Quinolinesulfonyl chloride (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 8-Chlorosulfonyl-1-benzazine
CN 8-Chlorosulfonyl-1-benzazine
CN 8-Quinolinesulfonyl chloride

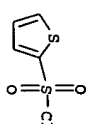
CN 8-Quinolinesulfonyl chloride
CN Quinolines-8-sulfonic acid chloride
FS 3D CONCORD
MF C9 H6 Cl N O2 S
STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMEX, CHEMLIST, CSCHEM, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFUL.
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

240 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
241 REFERENCES IN FILE CAPLUS (1957 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 63 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 16629-19-9 REGISTRY
CN 2-Thiophenesulfonyl chloride (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2-(Chlorosulfonyl)thiophene
CN 2-Thienylsulfonyl chloride
FS 3D CONCORD
MF C4 H3 Cl O2 S2
STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, HODOC*, IFICDB, IFIPAT, IFIUDB, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFUL.
(*File contains numerically searchable property data)
Other Sources: EINECS**, MSDS**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)



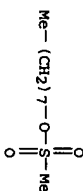
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
337 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
337 REFERENCES IN FILE CAPLUS (1957 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```

L2 ANSWER 64 OF 94 REGISTRY COPYRIGHT 2003 ACS
R1 1616-52-8 REGISTRY
CN Methanesulfonic acid, octyl ester (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Octyl mesylate
CN n-Octyl methanesulfonate
CN octyl mesylate
CN octyl methanesulfonate
FS 3D CONCORD
MF C9 H20 O3 S
STN FILE# BELSTEIN*, CA, CANOD, CAPUS, CASREACT, CHEMINFORMEX,
TOKCENTR, USPATFILL
(*File contains numerically searchable property data)

```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

88 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
88 REFERENCES IN FILE CAPUS (1957 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```

L2 ANSWER 65 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 13537-32-1 REGISTRY
CN Phosphorofluoridic acid (6Cl, 7Cl, 8Cl, 9Cl) (CA INDEX NAME)
OTHER NAMES:
CN Fluorophosphonic acid (F(HO)2PO)
CN Fluorophosphoric acid
CN Fluorophosphoric acid (H2PO3F)
CN Monofluorophosphoric acid
FS 3D CONCORD
MF F#2 03 F
CI
COM STN files: BIOSIS, CA, COLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST
SCHEM, GMELIN, HSBB*, IPTCD, IFRAT, IFITDB, MSDS-OHS, PDLCOM*,
RTECS*, TOXICENTER, USPST2, USPSTFULL
(*File contains numerically searchable property data)

```



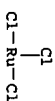
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 66 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 10049-08-8 REGISTRY
 CN Ruthenium chloride ((RuCl3) (6CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN dichlororuthenium chloride ((RuCl2)Cl) (7CI)

```

CN      Ruthenium chloride
CN      Ruthenium trichloride
CN      Ruthenium(III) chloride
MF      Cl3 Ru
CL      COM
LC      STN files: AGRICOLA, AQUIRE, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAGOLD
          CAPLUS, CASEREACT, CEN, CHEMCATS, CHEMINFORNEX, CHEMLIST, CSCHEM,
          GHEILIN*, IFCIBD, IFLPAT, IFUDB, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT
          RTECS*, TOXCENTER, USPAT2, USPAPRUL
          (file contains numerically searchable property data)
Other Sources: DSL*, EINECS*, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)

```



2337 REFERENCES IN FILE CA (1957 TO DATE)
59 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2345 REFERENCES IN FILE CAPLUS (1957 TO DATE)
11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2	ANSWER 67 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN	9028-86-8 REGISTRY
CN	Dehydrogenase, aldehyde (9CI) (CA INDEX NAME)
OTHER NAMES:	
CN	3-methyl-2-pyruen-1-al dehydrogenase
CN	aldehyde dehydrogenase
CN	Aldehyde dehydrogenase (NAD)
CN	Alkanal dehydrogenase
CN	CoA-independent aldehyde dehydrogenase
CN	E.C. 1.2.1.3
CN	Levulinic aldehyde dehydrogenase
CN	m-Hydroxybenzaldehyde dehydrogenase
CN	NAD-aldehyde dehydrogenase
CN	NAD-dependent 4-hydroxynonaal dehydrogenase
CN	NAD-dependent aldehyde dehydrogenase
CN	NAD-linked aldehyde dehydrogenase
CN	Protonaldehyde dehydrogenase
MF	Unspecified
CI	MAN

Print selected from 09-738,954. tnm05/23/2003

LC STN Files: ADISNEMS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECNO,
CA, CABA, CAPLUS, CEN, CHEMCATS, CHEMLIST, CIN, CSCEM, EMBASE, IFICDB,
IFIPAT, IFIUDB, NIOSHTIC, PROMT, TOXCENTER, USPAT2, USPATFUL,
Other Sources: EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

3262 REFERENCES IN FILE CA (1957 TO DATE)
23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3271 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 68 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 9027-41-2 REGISTRY
CN Hydrolyase (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Adrenalase
CN Hydrolytic enzymes
MF Unspecified

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECNO, CA,
CAPLUS, CASREACT, CEN, CIN, CSNB, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA,
PROMT, TOXCENTER, USPAT2, USPATFUL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

2641 REFERENCES IN FILE CA (1957 TO DATE)
42 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2649 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 69 OF 94 REGISTRY COPYRIGHT 2003 ACS

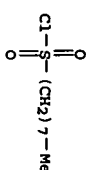
RN 7795-95-1 REGISTRY
CN 1-Octanesulfonyl chloride (7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Octanesulfonyl chloride (6CI)

OTHER NAMES:

CN n-Octanesulfonyl chloride
CN Octylsulfonyl chloride
FS 3D CONCORD

MF C8 H17 Cl O2 S

LC STN Files: BEILSTEIN*, CA, COLD, CAPLUS, CASREACT, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CSCEM, IFICDB, IFIPAT, IFIUDB, TOXCENTER,
USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: EINECS**, DSL**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

127 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

Print selected from 09-738,954. tnm05/23/2003

127 REFERENCES IN FILE CAPLUS (1957 TO DATE)
8 REFERENCES IN FILE COLD (PRIOR TO 1967)

L2 ANSWER 70 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 7782-41-4 REGISTRY
CN Fluorine (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Diatomic fluorine

CN Difluorine

CN Fluorine-19

CN Molecular fluorine

FS 3D CONCORD

DR 28077-97-6

MF F2

CI COM

LC STN Files: ADISNEMS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS,
BIOTECNO, CA, CABA, CASREACT, COLD, CAPLUS, CASREACT, CEN, CEN,
CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCEM, CSNB, DDFU,
DETHREM*, DIPER*, DRUCU, EMBASE, ENCOMPLIT2, ENCOMPRAT,
ENCOMPRAT2, GRELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IFA, MEDLINE, MRCK*,
MSDS-OHS, NIOSHTIC, PULCOM*, PIRA, PROMT, RTECS*, TOXCENTER, TULSA,
ULIDAT, USPAT2, USPATFUL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

F-F

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

37841 REFERENCES IN FILE CA (1957 TO DATE)
2167 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
37865 REFERENCES IN FILE CAPLUS (1957 TO DATE)
1 REFERENCES IN FILE COLD (PRIOR TO 1967)

L2 ANSWER 71 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 7766-49-6 REGISTRY

CN 1-Undecene, 11-Iodo- (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 11-Iodo-1-undecene

CN Undec-10-enyl iodide

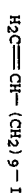
FS 3D CONCORD

DR 146846-82-4

MF C11 H21 I

CI COM

LC STN Files: BEILSTEIN*, CA, COLD, CAPLUS, CASREACT, CHEMINFORMRX,
TOXCENTER, USPATFUL
(*File contains numerically searchable property data)



Print selected from 09-738,954.crn05/23/2003

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

34 REFERENCES IN FILE CA (1957 TO DATE)
34 REFERENCES IN FILE CAPLUS (1957 TO DATE)
3 REFERENCES IN FILE CNOID (PRIOR TO 1967)

L2 ANSWER 72 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 7723-14-0 REGISTRY
CN Phosphorus (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Amgard CPC
CN Black phosphorus
CN Exolit 385
CN Exolit 405
CN Exolit LPRN 275
CN Exolit PR 602
CN Exolit PR 605
CN Exolit RP 650
CN Exolit RP 652
CN Exolit RP 654
CN Exolit VPR-n 361
CN FR-T 2
CN FR-T 2 (element)
CN Hishigado AP
CN Hishigado CP
CN Hishigado NP 10
CN Hishigado PL
CN Hostafiam RP 602
CN Hostafiam RP 614
CN Hostafiam RP 622
CN Hostafiam RP 654
CN Masteret 70450
CN Nova Sol R 20
CN Novaxcel 140
CN Novaxcel 150
CN Novaxcel F 5
CN Novaxcel ST 100
CN Novaxcel ST 140
CN Novaxcel ST 300
CN Novated 120UF
CN Novated 120UFA
CN Novated 120VFA
CN Novated 140
CN Novated 280
CN Novated C 120
CN Novated F 5
CN RVE 140
CN Phosphorus-31
CN Red phosphorus
CN RP 654
CN DR 29879-37-6
CN P
CN COM
STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS,
BIOTECNO, CA, CABA, CANCERLIT, CNOID, CAPLUS, CASREACT, CENB, CEN,
CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*,
DRUGU, EMBASE, ENCOMPILIT, ENCOMPILIT2, ENCOMPAT, ENCOMPAT2, HSDB*,

Print selected from 09-738,954.crn05/23/2003

IFICDB, IFIPAT, IFIUD, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA,
PROMT, RTECS*, TOXCENTER, TUSA, UUDAT, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

P

138108 REFERENCES IN FILE CA (1957 TO DATE)
5215 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
138260 REFERENCES IN FILE CAPLUS (1957 TO DATE)
1 REFERENCES IN FILE CNOID (PRIOR TO 1967)

L2 ANSWER 73 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 7681-82-5 REGISTRY
CN Sodium iodide (NaI) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Sodium iodide (8CI)

OTHER NAMES:

CN Anayodin

CN Ioduril

CN Sodium moniodide

CN Solodin

DR 59216-98-7, 61456-04-0

MF I Na

CI COM

LC STN Files:

ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS,
BIOTECNO, CA, CANCERLIT, CAPLUS, CASREACT, CENB, CEN, CHEMCATS,
CHEMINFORMEX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES,
DIPPR*, DRUGU, EMBASE, GELIN*, HSDB*, IFICDB, IFIPAT, IFIUD, IPA,
MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRACOM*, PIRA, PROMT, RTECS*,
TOXCENTER, TUSA, USAN, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

I-Na

11322 REFERENCES IN FILE CA (1957 TO DATE)
114 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
11329 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 74 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 6066-82-6 REGISTRY
CN 2,5-Pyridinedione, 1-hydroxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Succinimide, N-hydroxy- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 1-Hydroxy-2,5-pyridinedione

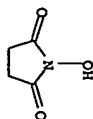
CN 1-Hydroxysuccinimide

CN Hydroxysuccinimide

CN N-Hydroxy-2,5-dioxypyridine

CN N-Hydroxysuccinimide

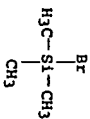
PS 3D CONCORD
MF CA H5 N O3
CI COM
LC STN FILES: AGRICOLA, ANABSTR, BELISTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBAB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEN, DDFU, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3299 REFERENCES IN FILE CA (1957 TO DATE)
206 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3308 REFERENCES IN FILE CAPLUS (1957 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 75 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 2857-97-8 REGISTRY
CN Silane, bromotrimethyl- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Bromotrimethylsilane
CN Trimethylbromosilane
CN Trimethylsilyl bromide
FS 3D CONCORD
MF C3 H9 Br Si
CI COM
LC STN FILES: BELISTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAB, CSCHEN, DETHERM*, GHELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, SPECINFO, TOXCENTER, USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)

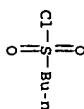


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

774 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
775 REFERENCES IN FILE CAPLUS (1957 TO DATE)
78 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 76 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 2386-60-9 REGISTRY
CN 1-Butanesulfonyl chloride (7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Butanesulfonyl chloride (6CI)
OTHER NAMES:
CN 1-Butylsulfonyl chloride
CN Butylsulfonyl chloride
CN n-Butanesulfonyl chloride
CN n-Butylsulfonyl chloride
FS 3D CONCORD
MF CA H9 Cl O2 S
CI COM

LC STN FILES: AGRICOLA, ANABSTR, BELISTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEN, DETHERM*, HODOC*, IFICDB, IFIPAT, IFIUDB, RIECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

426 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
426 REFERENCES IN FILE CAPLUS (1957 TO DATE)
17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 77 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 124-63-0 REGISTRY
CN Methanesulfonyl chloride (6CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Chloro methyl sulfone
CN Methyl chloride
CN Methanesulfonyl acid chloride
CN Methanesulfonyl chloride
CN Methyl sulfochloride
CN Methylsulfonyl chloride
FS 3D CONCORD
MF C H3 Cl O2 S
CI COM

LC STN FILES: AGRICOLA, ANABSTR, BELISTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBAB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEN, DETHERM*, DIPPR*, EMBASE, GHELIN*, HODOC*, HSDB*,

IFICDB, IFIPAT, IFIUD, MEDLINE, MRCR, MSDS-OHS, NIOSHTIC, PROMT, RTECS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMIST file for up-to-date regulatory information)



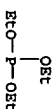
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4138 REFERENCES IN FILE CA (1957 TO DATE)
 36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 4144 REFERENCES IN FILE CAPUS (1957 TO DATE)
 39 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 78 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 122-52-1 REGISTRY
 CN Phosphorous acid, triethyl ester (8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN triethoxyphosphine
 CN triethyl phosphite
 CN tri(ethoxy)phosphine
 FS 3D CONCORD
 MF C6 H15 O3 P
 CI COM

STN Files: AGRICOLA, ANABSTR, BELSTEIN*, BIOSIS, CA, CAOLD, CAPUS, CASREACT, CEN, CHEMCATS, CHEMINFORMX, CHEMIST, CIN, CSCHM, DETHERM*, GELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, MEDLINE, MSDS-OHS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4332 REFERENCES IN FILE CA (1957 TO DATE)
 86 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 4338 REFERENCES IN FILE CAPUS (1957 TO DATE)
 74 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 79 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 121-44-8 REGISTRY

CN Ethanamine, N,N-diethyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Triethylamine (7CI, 8CI)
 OTHER NAMES:
 CN (Diethylamino)ethane
 CN N,N-Diethylethanamine
 CN TEA
 FS 3D CONCORD
 DR 449752-61-8, 168277-99-4, 172227-74-6, 144514-14-7
 MF C6 H15 N
 CI COM

STN Files: AGRICOLA, ANABSTR, AQUIRE, BELSTEIN*, BIOSIS, BIOTECNO, CA, CAB, CAPUS, CASREACT, CEN, CEN, CHEMCATS, CHEMINFORMX, CHEMIST, CHEMSAFE, CIN, CSCHM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGI, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, GELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, IPA, MEDLINE, MRCR, MSDS-OHS, NARALERT, NIOSHTIC, PDLCO*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

18780 REFERENCES IN FILE CA (1957 TO DATE)
 727 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 18814 REFERENCES IN FILE CAPUS (1957 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 80 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 112-60-7 REGISTRY
 CN Ethanol, 2,2'-(oxybis(2,1-ethanedioxy))bis- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Tetraethylene glycol (6CI, 7CI, 8CI)

OTHER NAMES:
 CN 2,2'-(oxybis(2,1-ethanedioxy))bisethanol
 CN 3,6,9-Trioxaundecane-1,11-diol
 CN Bis[2-(2-hydroxyethoxy)ethyl] ether
 CN Hi-dry
 CN TEC

FS 3D CONCORD
 DR 79688-08-7
 MF C8 H18 O5
 CI COM

STN Files: AGRICOLA, ANABSTR, AQUIRE, BELSTEIN*, BIOSIS, BIOTECNO, CA, CAOLD, CAPUS, CASREACT, CEN, CHEMCATS, CHEMINFORMX, CHEMIST, CHEMSAFE, CIN, CSCHM, CSNB, DETHERM*, DIPPR*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, GELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL

(*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMIST file for up-to-date regulatory information)

HO-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2175 REFERENCES IN FILE CA (1957 TO DATE)
 162 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2183 REFERENCES IN FILE CAPUS (1957 TO DATE)
 35 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 81 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 112-43-6 REGISTRY
 CN 10-Undecen-1-ol (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN .omega.-Undecenol
 CN .omega.-Undecenyl alcohol
 CN 1-Undecen-11-ol

CN 10-Undecenol

CN 10-Undecenyl alcohol

CN 10-Undecylen-1-ol

CN 11-Hydroxy-1-undecene

CN Undecylenic alcohol

FS 3D CONCORD

DR 118020-80-7

MF C11 H22 O

CI COM

LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPUS,

CASREACT, CHEMCATS, CHEMINFORMAX, CHEMIST, CHEMSAFE, CSCHM, GMEIN*,

HODOC*, IFICDB, IFIPAT, IFIUDB, PROMT, RTECS*, SPECINFO, SYNTHLINE,

TOXCENTER, USPAP2, USPAPFUL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(*Enter CHEMIST file for up-to-date regulatory information)

H2C=CH-(CH₂)₉-OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

518 REFERENCES IN FILE CA (1957 TO DATE)
 18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 519 REFERENCES IN FILE CAPUS (1957 TO DATE)
 13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 82 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 111-87-5 REGISTRY

CN 1-Octanol (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Octyl alcohol (8CI)
 OTHER NAMES:

CN 1-Hydroxyoctane

CN Alfol 8

CN Caprylic alcohol

CN CO 898

CN CO 898 (solvent)

CN Heptyl carbinol

CN n-Octan-1-ol

CN n-Octanol

CN n-Octyl alcohol

CN Octanol

CN Octillin

FS 3D CONCORD

DR 220713-26-8

MF C8 H18 O

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,

BIOBCHNO, CA, CANCERLIT, CAOLD, CAPUS, CASREACT, CNR, CEN, CHEMCATS,

CHEMINFORMAX, CHEMIST, CHEMSAFE, CIN, CSCHM, CSNB, DDEU, DETHERM*,

DIPPR, DRUGO, EMBASE, ENCOMPULIT, ENCOMPULIT2, ENCOMPAT, ENCOMPAT2,

GMEIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MCCR*,

MSDS-OHS, NAPALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO,

TOXCENTER, TULSA, ULIDAT, USPAP2, USPAPFUL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(*Enter CHEMIST file for up-to-date regulatory information)

HO-(CH₂)₇-Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13849 REFERENCES IN FILE CA (1957 TO DATE)
 351 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 13876 REFERENCES IN FILE CAPUS (1957 TO DATE)
 4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 83 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 107-29-9 REGISTRY

CN Acetaldehyde, oxime (6CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Acetaldoxime

CN Acetaldoxime

CN Aldoxime

CN Ethanal oxime

CN Ethylidenehydroxylamine

FS 3D CONCORD

MF C2 H5 N O

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,

BIOBCHNO, CA, CAOLD, CAPUS, CASREACT, CHEMCATS, CHEMINFORMAX,

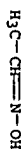
CHEMIST, CSCHM, DEINER*, DIPPR*, EMBASE, GMEIN*, HODOC*, HSDB*,

IFICDB, IFIPAT, IFIUDB, MEDLINE, MCCR*, MSDS-OHS, NIOSHTIC, PROMT,

RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAP2, USPAPFUL

Print selected from 09-738,954. tnm05/23/2003

(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

391 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
391 REFERENCES IN FILE CAPUS (1957 TO DATE)
24 REFERENCES IN FILE COLD (PRIOR TO 1967)

L2 ANSWER 84 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 98-74-8 REGISTRY
CN Benzenesulfonyl chloride, 4-nitro- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenesulfonyl chloride, p-nitro- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 4-Nitrobenzenesulfonic acid chloride

CN 4-Nitrobenzenesulfonyl chloride

CN 4-Nitrophenylsulfonyl chloride

CN Nonyl chloride

CN p-Nitrobenzenesulfonyl chloride

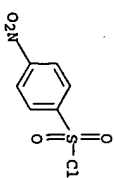
CN p-Nitrophenylsulfonyl chloride

FS 3D CONCORD

MF C6 H4 Cl N O4 S

CI COM

STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, COLD, CAPUS, CASREACT, CHEMCATS, CHEMINFORMEX, CHEMLIST, CSCHEM, HODOC*, IFICDB, IFIPAT, IRLUD, MSDS-ONS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1008 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1011 REFERENCES IN FILE CAPUS (1957 TO DATE)
27 REFERENCES IN FILE COLD (PRIOR TO 1967)

L2 ANSWER 85 OF 94 REGISTRY COPYRIGHT 2003 ACS

Print selected from 09-738,954. tnm05/23/2003

RN 98-68-0 REGISTRY
CN Benzenesulfonyl chloride, 4-methoxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenesulfonyl chloride, p-methoxy- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 4-Methoxybenzenesulfonic acid chloride

CN 4-Methoxybenzenesulfonyl chloride

CN 4-Methoxyphenylsulfonyl chloride

CN p-Anisylsulfonyl chloride

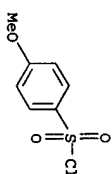
CN p-Methoxybenzenesulfonyl chloride

FS 3D CONCORD

MF C7 H7 Cl O3 S

CI COM

STN Files: BEILSTEIN*, CA, COLD, CAPUS, CASREACT, CHEMCATS, CHEMINFORMEX, CHEMLIST, CSCHEM, HODOC*, IFICDB, IFIPAT, IRLUD, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

849 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
852 REFERENCES IN FILE CAPUS (1957 TO DATE)
18 REFERENCES IN FILE COLD (PRIOR TO 1967)

L2 ANSWER 86 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 98-59-9 REGISTRY
CN Benzenesulfonyl chloride, 4-methyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN p-Toluenesulfonyl chloride (8CI)

OTHER NAMES:

CN 4-Methylbenzenesulfonyl chloride

CN 4-Methylphenylsulfonyl chloride

CN 4-Toluenesulfonyl chloride

CN 4-Tosyl chloride

CN p-Methylbenzenesulfonyl chloride

CN p-Methylphenylsulfonyl chloride

CN p-Toluenesulfonyl chloride

CN p-Toluenesulfonic acid chloride

CN p-Toluenesulfonyl chloride

CN p-Toluenesulfonyl chloride

CN p-Toluenesulfonyl chloride

CN p-Toluenesulfonyl chloride

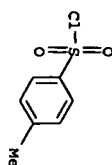
CN p-Toluenesulfonyl chloride

CN p-Toluenesulfonyl chloride

CN p-Toluenesulfonyl chloride

Print selected from 09-738,954. lrm05/23/2003

FS 3D CONCORD
MF C7 H7 Cl O2 S
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, BIOTECNO, CA, CANCERIT, CAOLD, CAPLUS, CASREACT, CSNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCEM, CSNB, DETHERM*, EMBASE, GELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USPAT2, USPATFUL (*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5891 REFERENCES IN FILE CA (1957 TO DATE)
81 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5901 REFERENCES IN FILE CAPLUS (1957 TO DATE)
35 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

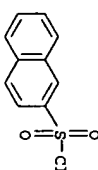
L2 ANSWER 87 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 98-09-9 REGISTRY
CN Benzenesulfonyl chloride (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Benzene sulfochloride
CN Benzenesulfonic chloride
CN Phenylsulfonyl chloride
FS 3D CONCORD
DR 114415-79-1
MF C6 H5 Cl O2 S
CI
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CSNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCEM, CSNB, DETHERM*, EMBASE, GELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFUL (*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)



Print selected from 09-738,954. lrm05/23/2003

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
3204 REFERENCES IN FILE CA (1957 TO DATE)
79 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3213 REFERENCES IN FILE CAPLUS (1957 TO DATE)
26 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 88 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 93-11-8 REGISTRY
CN 2-Naphthalenesulfonyl chloride (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
CN 2-Naphthalenesulfonyl chloride
OTHER NAMES:
CN .beta.-Naphthalenesulfochloride
CN .beta.-Naphthalenesulfonyl chloride
CN .beta.-Naphthylsulfonyl chloride
CN 2-Naphthalenylsulfonyl chloride
CN 2-Naphthylsulfonyl chloride
CN Naphthalene-2-sulfonic acid chloride
FS 3D CONCORD
MF C10 H7 Cl O2 S
CI
LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCEM, GELIN*, HODOC*, IFICDB, IFIPAT, IFIUD, MEDLINE, MSDS-OHS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFUL (*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)



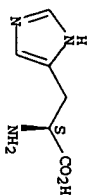
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

675 REFERENCES IN FILE CA (1957 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
678 REFERENCES IN FILE CAPLUS (1957 TO DATE)
22 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 89 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 71-00-1 REGISTRY
CN L-Histidine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Histidine, L- (8CI)
OTHER NAMES:
CN (S)-.alpha.-Amino-1H-imidazole-4-propanoic acid
CN (S)-4-(2-Amino-2-carboxylethyl)imidazole
CN (S)-Histidine
CN 1H-imidazole-4-alanine, (S)-
CN 1H-imidazole-4-propanoic acid, .alpha.-amino-, (S)-

Print selected from 09-738, 954. tnm05/23/2003

CN Glyoxaline-5-alanine
CN Histidine
CN L-(-)-Histidine
CN L-Alanine, 3-(1H-imidazol-4-yl)-
CN L-Histidine
PS STEREOSEARCH
DR 7006-35-1, 150-35-6, 54166-13-1, 155304-24-8, 35479-49-3, 35558-59-9,
45955-20-2
MF C6 H9 N3 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES,
DRUG, EMBASE, GEMELIN*, HODOC*, HSDR*, IFICDB, IFIPAT, IFIUDR, IPA,
MEDLINE, MRCK*, MSDS-OHS, NAPSALERT, NIOSHTIC, PIRA, PROWT, RTECS*,
SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(*Enter CHEMLIST file for up-to-date regulatory information)

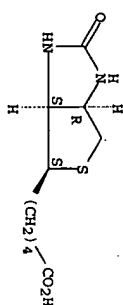


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
28866 REFERENCES IN FILE CA (1957 TO DATE)
1288 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
28918 REFERENCES IN FILE CAPLUS (1957 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 90 OF 94. REGISTRY COPYRIGHT 2003 ACS
RN 58-85-5. REGISTRY
CN 1H-thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,
(3aS,4S,6aR)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,
(3aS-(3a.alpha.,4.beta.,6a.alpha.))-
CN Biotin (8CI)
OTHER NAMES:
CN (+)-Biotin
CN (+)-cis-Hexahydro-2-oxo-1H-thieno[3,4]imidazole-4-valeric acid
CN Biodermatin
CN Bioepiderm
CN Bios II
CN cis-(+)-Tetrahydro-2-oxothieno[3,4]imidazole-4-valeric acid
CN Coenzyme R
CN D(+)-Biotin
CN d-Biotin
CN D-Biotin
CN Factor S
CN Factor S (vitamin)

Print selected from 09-738, 954. tnm05/23/2003

CN Lutavit H2
CN Meribin
CN Rovimix H 2
CN Vitamin B7
CN Vitamin H
PS STEREOSEARCH
DR 58073-87-3, 15720-24-8, 22879-79-4, 3672-05-7
MF C10 H16 N2 O3 S
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CEN,
CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUG,
EMBASE, HODOC*, HSDR*, IFICDB, IFIPAT, IFIUDR, IPA, MEDLINE, MRCK*,
MSDS-OHS, NIOSHTIC, PHAR, PIRA, PROWT, RTECS*, SPECINFO, TOXCENTER,
USAN, USPAT2, USPATFUL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(*Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
10971 REFERENCES IN FILE CA (1957 TO DATE)
2210 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
11008 REFERENCES IN FILE CAPLUS (1957 TO DATE)
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 91 OF 94. REGISTRY COPYRIGHT 2003 ACS
RN 56-86-0. REGISTRY
CN L-Glutamic acid (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glutamic acid, L- (7CI, 8CI)
OTHER NAMES:
CN (2S)-2-Aminopentanedioic acid
CN (S)-(+)-Glutamic acid
CN (S)-2-Aminopentanedioic acid
CN (S)-Glutamic acid
CN alpha-Aminoglutaric acid
CN 1-Aminopropane-1,3-dicarboxylic acid
CN 2-Aminoglutaric acid
CN 2-Aminopentanedioic acid
CN Aciglut
CN E 620
CN Glusate
CN Glutacid
CN Glutamic acid

Print selected from 09-738,954.tin05/23/2003

CN Glutamicol
CN Glutamides
CN Glutamic acid
CN Glutaminol
CN Glutaron
CN L-(+)-glutamic acid
CN L-alpha-Aminoglutaric acid
CN L-glutaminic acid
CN L-glutaminic acid
CN Penamedic acid, 2-amino-, (S)-
FS STEREOSEARCH
DR 6899-05-4, 10549-13-0, 138-16-9
MF C5 H9 N O4
CI COM
LC STN files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA, CABA, CANCERLIT, CAPUS, CASREACT, CSNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOSGENS, DIPPR*, DRUG, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPLAT, ENCOMPLAT2, GMLIN*, HODOC*, HSD*, IFCIB, IFIPAT, IFIUD, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SINTHLIN, TOXCENTR, TULSA, ULIDAT, USAN, USPAT2, USPATFUL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST file for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

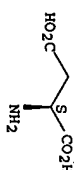
5131 REFERENCES IN FILE CA (1957 TO DATE)
1692 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5137 REFERENCES IN FILE CAPUS (1957 TO DATE)

L2 ANSWER 92 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 56-84-8 REGISTRY
CN L-Aspartic acid (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Aspartic acid, L- (8CI)
OTHER NAMES:
CN (+)-Aspartic acid
CN (S)-Aminobutanedioic acid
CN (S)-Aspartic acid
CN Asparaginic acid
CN Asparaginic acid
CN Aspartic acid
CN Butanedioic acid, amino-, (S)-
CN H-Asp-OH
CN L-(+)-Aspartic acid
CN L-Aminosuccinic acid
CN L-Asparaginic acid

Print selected from 09-738,954.tin05/23/2003

CN L-Asparaginic acid
FS STEREOSEARCH
DR 6899-03-2, 18119-33-5
MF C4 H7 N O4
CI COM
LC STN files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPUS, CASREACT, CSNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOSGENS, DRUG, EMBASE, GMLIN*, HODOC*, HSD*, IFCIB, IFIPAT, IFIUD, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SINTHLIN, TOXCENTR, TULSA, ULIDAT, USAN, USPAT2, USPATFUL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST file for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



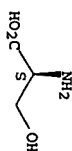
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3264 REFERENCES IN FILE CA (1957 TO DATE)
1041 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3244 REFERENCES IN FILE CAPUS (1957 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 93 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 56-45-1 REGISTRY
CN L-Serine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Serine, L- (8CI)
OTHER NAMES:
CN (-)-Serine
CN (S)-alpha-Amino-beta-hydroxypropionic acid
CN (S)-2-Amino-3-hydroxypropionic acid
CN (S)-Serine
CN .beta.-Hydroxy-L-alanine
CN L-(-)-Serine
CN L-3-Hydroxy-2-aminopropionic acid
CN L-Alanine, 3-hydroxy-
CN L-Ser
CN Propanoic acid, 2-amino-3-hydroxy-, (S)-
CN Serine
FS STEREOSEARCH
DR 6898-95-9
MF C3 H7 N O3
CI COM
LC STN files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPUS, CASREACT, CSNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUG, EMBASE, GMLIN*, HODOC*, HSD*, IFCIB, IFIPAT, IFIUD, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*,

Print selected from 09-738,954.rtn05/23/2003

SPECINFO, TOXCENTER, TULSA, USAN, USPAT2, USPATFUL,
(*File contains numerically searchable property data)
Other Sources: DSL**, RINCS**, TSCA**, WHO
(**Enter CHEMIST File for up-to-date regulatory information)
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2776 REFERENCES IN FILE CA (1957 TO DATE)
721 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
27834 REFERENCES IN FILE CAPLUS (1957 TO DATE)
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 94 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 52-90-4 REGISTRY (CA INDEX NAME)
CN L-Cysteine (9CI)

OTHER CA INDEX NAMES:

CN Cysteine, L- (8CI)

OTHER NAMES:

CN (R)-2-amino-3-mercaptopropanoic acid

CN (R)-Cysteine

CN .beta.-Mercaptoalanine

CN 2-amino-3-mercaptopropionic acid

CN Cystein

CN Cysteine

CN E 920

CN Half-cystine

CN L-(-)-Cysteine

CN L-Alanine, 3-mercaptopro-

CN L-Cys

CN NSC 8746

CN Propionic acid, 2-amino-3-mercaptopro-, (R) -

CN Thioisertine

PS STEREOSEARCH

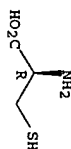
DR 4371-52-2

MF C3 H7 N O2 S

CI COM

STN Files: ADISNWS, AGRICOLA, ANABSTR, AQUIRE, BRILSTEIN*, BIOBUSINESS,
BIOSIS, BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CNB,
CEN, CHEMCATS, CHEMINFORMX, CHEMIST, CIN, CSOCHM, CSNB, DDFU,
DETHRM*, DIGERES, DRUGI, EMBASE, GHELIN*, HOOCH*, HSB*, IPICB,
IPIPIAT, IPIUD, IPIA, MEDLINE, MCK*, MSDS-ONS, NABRALERT, NIOSHTIC,
PIRA, PROMT, RIBCS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USAN,
USPAT2, USPATFUL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, RINCS**, TSCA**, WHO
(**Enter CHEMIST File for up-to-date regulatory information)
Absolute stereochemistry.

Print selected from 09-738,954.rtn05/23/2003



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

29520 REFERENCES IN FILE CA (1957 TO DATE)
1346 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
29575 REFERENCES IN FILE CAPLUS (1957 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> fil caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE
ENTRY
167.12
TOTAL
167.99

FILE 'CAPLUS' ENTERED AT 09:10:34 ON 22 MAY 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 22 MAY 2003 VOL 138 ISS 21
FILE LAST UPDATED: 21 MAY 2003 (20030521/BD)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 117800-97-2/rn
5 117800-97-2
0 117800-97-2D
L3 5 117800-97-2/RN
(117800-97-2 (NOTL) 117800-97-2D)

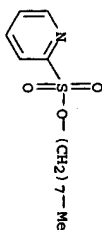
=> d 1b1b abs hitster 1-5
L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:763323 CAPLUS
DOCUMENT NUMBER: 135:115598
TITLE: Methods for proteomic analysis using activity based probes for target proteins
Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory

IT 117800-97-2P
 screen for one or more desired biol. activities or target proteins.

RL: ARU (Analytical) role, unclassified); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation)

(methods for bioactivity screening of candidate compds. using activity based probes)

RN 117800-97-2 CAPLUS
 CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001.175793 CAPLUS

DOCUMENT NUMBER: 135:16295
 TITLE: Profiling the specific reactivity of the proteome with non-directed activity-based probes

AUTHOR(S): Adam, Gregory C.; Cravatt, Benjamin F.; Sorensen, Erik J.

CORPORATE SOURCE:

The Skaggs Institute for Chemical Biology and Department of Chemistry, The Scripps Research Institute, La Jolla, CA, 92037, USA

Chemistry & Biology (2001), 8(1), 81-95

CODEN: CBOLE2; ISSN: 1074-5521

Elsevier Science Ltd.

PUBLISHER:

Journal

LANGUAGE:

OTHER SOURCE(S): CASREACT 135:16295

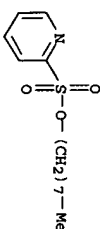
AB Background: The field of proteomics aims to characterize dynamics in protein function on a global level. However, several classes of proteins, in particular low abundance proteins, remain difficult to characterize using std. proteomics technologies. Recently, chem. strategies have emerged that profile classes of proteins based on activity rather than quantity, thereby greatly facilitating the anal. of low abundance constituents of the proteome. Results: In order to expand the classes of proteins susceptible to anal. by activity-based methods, we have synthesized a library of biotinylated sulfonate esters and applied its members to complex proteomes under conditions that distinguish patterns of specific protein reactivity. Individual sulfonates exhibited unique profiles of proteome reactivity that in extreme cases appeared nearly orthogonal to one another. A robustly labeled protein was identified as a class I aldehyde dehydrogenase and shown to be irreversibly inhibited by members of the sulfonate library. Conclusions: Through screening the proteome with a non-directed library of chem. probes, diverse patterns of protein reactivity were uncovered. These probes labeled protein targets based on properties other than abundance, circumventing one of the major challenges facing contemporary proteomics research. Considering further that the probes were found to inhibit a target enzyme's catalytic activity, the methods described herein should facilitate the identification of compds. possessing both selective proteome reactivities and novel bioactivities.

IT 117800-97-2P

RL: ARG (Analytical) reagent use); ARU (Analytical) role, unclassified); BPR (Biological process); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USBS (Uses)

(profiling specific reactivity of proteome with non-directed activity-based probes)

RN 117800-97-2 CAPLUS
 CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 44

THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1989:613944 CAPLUS

DOCUMENT NUMBER: 111:213944
 TITLE: Design and reactivity of organic functional groups - 2-pyridylsulfonates as nucleofugal esters: remarkably mild transformations into halides and olefins

AUTHOR(S): Hanesian, Stephen; Kagotani, Masahiro; Komaglou, Kossi

CORPORATE SOURCE: Dep. Chem., Univ. Montreal, Montreal, QC, H3C 3J7, Can.

SOURCE: Heterocycles (1989), 28(2), 1115-20

CODEN: HTECYM; ISSN: 0385-5414

DOCUMENT TYPE: Journal

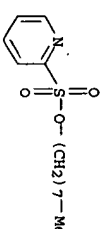
LANGUAGE: English

OTHER SOURCE(S): CASREACT 111:213944

AB Novel 2-pyridylsulfonate esters are excellent leaving groups for the prep. of bromides and olefins under mild conditions. Displacements occur with inversion of configuration. Thus, a soln. of MgBr2 in ether was added to one of octyl 2-pyridylsulfonate in CH2Cl2 and the mixt. stirred for 5 min at 0.degree. to give 88% 1-bromooctane.

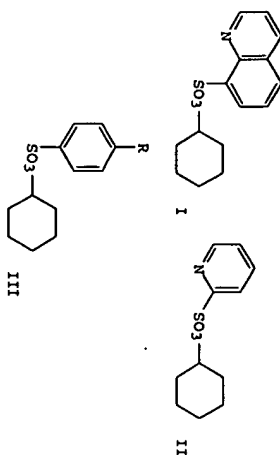
IT 117800-97-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

RN 117800-97-2 CAPLUS
 CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)



Print selected from 09-738.954.tnm05/23/2003

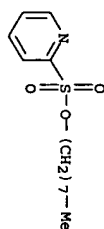
L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1989:57481 CAPLUS
DOCUMENT NUMBER: 110:57481
TITLE: Formation of olefins via pyrolysis of sulfonate esters
AUTHOR(S): Corey, E. J.; Posner, Gary H.; Atkinson, Richard P.;
Wingard, Astrid K.; Halloran, Daniel J.; Radzlik, Donna
M.; Nash, John J.
CORPORATE SOURCE: Dep. Chem., Harvard Univ., Cambridge, MA, 02138, USA
SOURCE: Journal of Organic Chemistry (1989), 54(2), 389-93
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 110:57481
CI



AB Esters, e.g., I and II, of 8-quinolinesulfonic acid and 2-pyridinesulfonic acid were synthesized from alcohols and the acid chlorides. The secondary esters were decomp. cleanly at moderate temps. to give olefins in high yields. Thus, I was heated at 150 degree to give 92% cyclohexene. Product studies were consistent with carbocation formation and abstraction by a ring nitrogen to give the olefin. The importance of a basic group was confirmed by pyrolysis of a series of para-substituted cyclohexyl benzenesulfonates III (R = NHAc, NHAc, NO2, Br, Me, MeO, Me2N). Thermolysis of III (R = NHAc, NHAc) cleanly gave cyclohexene in good yield; however, thermolysis of III (R = NO2, Br, Me) gave cyclohexene in low yield along with considerable amts. of tar.

IT 117800-97-2P
RI: RCT (Reactant); SPN (Synthetic preparation); PRP (Preparation); RACT (Reactant or reagent)
RN 117800-97-2 CAPLUS
CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)

Print selected from 09-738.954.tnm05/23/2003



=> f11 be11
COST IN U.S. DOLLARS
FULL ESTIMATED COST
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE
SINCE FILE ENTRY SESSION TOTAL
28.21 196.20
-3.26 -3.26

FILE 'BEILSTEIN' ENTERED AT 09:13:28 ON 22 MAY 2003
COPYRIGHT (c) 2003 Beilstein-Institut zur Forderung der Chemischen Wissenschaften
licensed to Beilstein Chemdaten & Software GmbH and MDL Information Systems GmbH
FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON APRIL 10, 2003

*** FILE CONTAINS 8,643,097 SUBSTANCES ***

>>> PLEASE NOTE: Reaction and substance documents are stored in different file segments. Use separate queries to search for reaction and substance data. When searching for bibliographic information you have the option to choose the file segment. (Use "/XXX.SUB" to search for a bibliographic term in substance documents. To restrict the search to reaction documents use "/XXX.RX".)
For additional information see HELP RXS. <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

***** PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. *****
***** SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *****
***** ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE, THESE *****
***** ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. *****
***** FOR PRICE INFORMATION SEE HELP COST *****

=> s 117800-97-2/rn
L4 1 117800-97-2/RN
=> d all

L4 ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL
Beilstein Records (BRN): 4465832



Code	Name	Occurrence
BRN	Beilstein Records	1
BPR	Beilstein Preferred	1
RN	CAS Registry Number	1
CN	Chemical Name	1
AVN	Autoname	1
MF	Molecular Formula	1
FW	Molecular Weight	1
LN	Lawson Number	2
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
IR	Infrared Spectrum	1

Code	Name	Occurrence
RX	Reaction Documents	1
RXPPO	Substance is Reaction Product	1

Descript	Ref.	Note
Ion		

Notes(s):
1. 1360 - 1190 cm⁻¹ (-1)

Reaction ID (.ID):	166687
Reactant BRN (.RBRN):	1697461, 120819
Reactant (.RCT):	octan-1-ol, pyridine-2-sulfonyl chloride
Product BRN (.PBRN):	4465832
Product (.PRO):	pyridine-2-sulfonic acid octyl ester
No. of React. Details (.NVAR):	1

Reaction RID (.RID):	1668687.1
Reaction Classification (.CL):	Preparation
Yield (.YDL):	77 percent (BRN=4465832)
Reagent (.RCT):	triethylamine
Solvent (.SOL):	benzene
Time (.T1M):	16 hour(s)
Temperature (.T):	2 Cel
Reference(s):	
1. Corey, E. J.; Posner, Gary H.; Atkinson, Richard F.; Wingard, Ascrida K.; Halloran, Daniel J.; et al., J.Org.Chem., CODEN: JOCEAH, 54(12), <1989>, 389-393; BABS-5570591	

CA SUBSCRIBER PRICE	0.00	TOTAL
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	ENTRY	SESSION
FULL ESTIMATED COST	25.29	221.49
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
--> fill caplus	ENTRY	SESSION

FILE 'CAPLUS' ENTERED AT 09:15:18 ON 22 MAY 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (Pb) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing

Print selected from 09-738,954. ltrn05/23/2003

of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 22 May 2003 VOL 138 ISS 21
FILE LAST UPDATED: 21 May 2003 (20030521/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> e chemistry & biology/jt
E1 7 CHEMISTE/JT
E2 687 CHEMISTRY/JT
E3 0 --> CHEMISTRY A EUROPEAN JOURNAL/JT
E4 3471 CHEMISTRY AND APPLICATIONS OF GREEN TEA/JT
E5 13 CHEMISTRY AND APPLICATIONS OF LUCO DYES/JT
E6 7 CHEMISTRY AND APPLICATIONS OF LUCO DYES/JT
E7 25 CHEMISTRY AND BIOCHEMISTRY OF AMINO ACIDS PEPTIDES AND PROTEINS/JT
E8 35 CHEMISTRY AND BIOCHEMISTRY OF B12/JT
E9 9 CHEMISTRY AND BIOCHEMISTRY ON THE LEADING EDGE/JT
E10 162 CHEMISTRY AND BIOLOGY OF PTERIDINES AND FOLATES 1997 PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON PTERIDINES AND FOLATE S 11TH BERCHTESGADEN GERMANY JUNE 15 20 1997/JT
E11 109 CHEMISTRY AND BIOLOGY OF PTERIDINES AND FOLATES PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON PTERIDINES AND FOLATES 12T H BETHESDA MD UNITED STATES JUNE 17 22 2001/JT
E12 66 CHEMISTRY AND CHEM IND JAPAN/JT
=> e chemistry and biology/jt
E1 687 CHEMISTRY/JT
E2 3471 CHEMISTRY A EUROPEAN JOURNAL/JT
E3 0 --> CHEMISTRY AND APPLICATIONS OF GREEN TEA/JT
E4 13 CHEMISTRY AND APPLICATIONS OF LUCO DYES/JT
E5 7 CHEMISTRY AND APPLICATIONS OF LUCO DYES/JT
E6 25 CHEMISTRY AND BIOCHEMISTRY OF AMINO ACIDS PEPTIDES AND PROTEINS/JT
E7 35 CHEMISTRY AND BIOCHEMISTRY OF B12/JT
E8 9 CHEMISTRY AND BIOCHEMISTRY ON THE LEADING EDGE/JT
E9 162 CHEMISTRY AND BIOLOGY OF PTERIDINES AND FOLATES 1997 PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON PTERIDINES AND FOLATE S 11TH BERCHTESGADEN GERMANY JUNE 15 20 1997/JT
E10 109 CHEMISTRY AND BIOLOGY OF PTERIDINES AND FOLATES PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON PTERIDINES AND FOLATES 12T H BETHESDA MD UNITED STATES JUNE 17 22 2001/JT
E11 66 CHEMISTRY AND CHEM IND JAPAN/JT
=> e chemistry/jt
E1 1 CHEMISTRY TAPEI/JT
E2 12 CHEMISTRY UNDER EXTREME OR NON CLASSICAL CONDITIONS/JT
E3 0 --> CHEMISTS ANALYST/JT
E4 1 CHEMISTS ANALYST/JT
E5 1 CHEMISTS QUARTERLY/JT
E6 15 CHEMISTS VIEWS OF IMAGING CENTERS PROCEEDINGS OF AN AMERICAN CHEMICAL SOCIETY SYMPOSIUM ON CHEMISTS VIEWS OF IMAGING CENTERS CHICAGO AUG 22 27 1993/JT
E7 40 CHEMISTOPIA/JT
E8 19

Print selected from 09-738,954. ltrn05/23/2003

E9 1 CHEMIZATION OF SOCIALIST AGR/JT
E10 2 CHEMIZATION SOCIALISTIC AGR/JT
E11 3 CHEMIZATION SOCIALISTIC AGR U S S R/JT
E12 1 CHEMIZITZ CHEM REV FETT HARZ IND/JT

=> e chemistry /jt
E1 7 CHEMIST WASHINGTON D C/JT
E2 687 CHEMISTE/JT
E3 3471 CHEMISTRY A EUROPEAN JOURNAL/JT
E4 13 CHEMISTRY AND APPLICATIONS OF GREEN TEA/JT
E5 7 CHEMISTRY AND APPLICATIONS OF LUCO DYES/JT
E6 25 CHEMISTRY AND BIOCHEMISTRY OF AMINO ACIDS PEPTIDES AND PROTEINS/JT
E7 35 CHEMISTRY AND BIOCHEMISTRY OF B12/JT
E8 9 CHEMISTRY AND BIOCHEMISTRY ON THE LEADING EDGE/JT
E9 162 CHEMISTRY AND BIOLOGY OF PTERIDINES AND FOLATES 1997 PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON PTERIDINES AND FOLATE S 11TH BERCHTESGADEN GERMANY JUNE 15 20 1997/JT
E10 109 CHEMISTRY AND BIOLOGY OF PTERIDINES AND FOLATES PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON PTERIDINES AND FOLATES 12T H BETHESDA MD UNITED STATES JUNE 17 22 2001/JT
E11 66 CHEMISTRY AND CHEM IND JAPAN/JT
=> e adam g7/au
E1 1 ADAM G K/AU
E2 1 ADAM G S/AU
E3 0 --> ADAM G7/AU
E4 8 ADAM GABRIEL/AU
E5 2 ADAM GABRIEL H/AU
E6 5 ADAM GABRIEL HAMMAN/AU
E7 1 ADAM GABRIELA/AU
E8 6 ADAM GABRIELE/AU
E9 5 ADAM GAIL/AU
E10 6 ADAM GAIL I R/AU
E11 1 ADAM GAIL IR/AU
E12 1 ADAM GAIL ISABEL REID/AU
=> more
E13 1 ADAM GAVRIIA/AU
E14 46 ADAM GEO/AU
E15 1 ADAM GEOFFREY FORBES/AU
E16 1 ADAM GEORG/AU
E17 1 ADAM GEORGE/AU
E18 1 ADAM GEORGE J A/AU
E19 2 ADAM GEORGE J S/AU
E20 1 ADAM GEORGES/AU
E21 2 ADAM GEORGES B/AU
E22 22 ADAM GEORGIS A/AU
E23 1 ADAM GEORGUS A/AU
E24 48 ADAM GERARD/AU
=> more
E25 20 ADAM GERHARD/AU
E26 30 ADAM GEROLD/AU
E27 1 ADAM GERTRUDE/AU
E28 19 ADAM GEZA/AU
E29 10 ADAM GH/AU
E30 1 ADAM GILES W/AU

E31 2 ADAM GILLES/AU
 E32 4 ADAM GILLIAN/AU
 E33 3 ADAM GIRONNE J/AU
 E34 16 ADAM GIRONNE JEAN/AU
 E35 2 ADAM GISSELA/AU
 E36 1 ADAM GORANCA/AU
 => more
 E37 1 ADAM GORDON/AU
 E38 2 ADAM GOTTFRIED/AU
 E39 10 ADAM GREG/AU
 E40 2 ADAM GREG C/AU
 E41 2 ADAM GREGORY/AU
 E42 7 ADAM GREGORY C/AU
 E43 1 ADAM GUDRUM/AU
 E44 214 ADAM GUNTER/AU
 E45 1 ADAM GUNAR/AU
 E46 60 ADAM GUNTER/AU
 E47 2 ADAM GUNTER/AU
 E48 1 ADAM GUSTAAF/AU
 => s e39-e42
 10 *ADAM GREG*/AU
 2 *ADAM GREG C*/AU
 7 *ADAM GREGORY*/AU
 21 (*ADAM GREG*/AU OR *ADAM GREGORY*/AU OR *ADAM GREGORY C*/AU)
 L5 => s 15 and 2001/so and 81/so and 8/so
 718631 2001/so
 221934 81/so
 1891021 8/so
 L6 1 L5 AND 2001/so AND 81/so AND 8/so
 => d 1b1b abs
 L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:175793 CAPLUS
 DOCUMENT NUMBER: 135:16295
 TITLE: Profiling the specific reactivity of the proteome with non-directed activity-based probes
 AUTHOR(S): Adam, Gregory C.; Cravatt, Benjamin F.; Sorensen, Erik J.
 CORPORATE SOURCE: The Skaggs Institute for Chemical Biology and Department of Chemistry, The Scripps Research Institute, La Jolla, CA 92037, USA
 SOURCE: Chemistry & Biology (2001), 8(1), 81-95
 CODEN: CBOLE2; ISSN: 1074-5521
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 135:16295
 AB Background: The field of proteomics aims to characterize dynamics in protein function on a global level. However, several classes of proteins, in particular low abundance proteins, remain difficult to characterize using std. proteomics technologies. Recently, chem. strategies have emerged that profile classes of proteins based on activity rather than

quantity, thereby greatly facilitating the anal. of low abundance components of the proteome. Results: In order to expand the classes of proteins susceptible to anal. by activity-based methods, we have synthesized a library of biotinylated sulfonate esters and applied its members to complex proteomes under conditions that distinguish patterns of specific protein reactivity. Individual sulfonates exhibited unique profiles of proteome reactivity that in extreme cases appeared nearly orthogonal to one another. A robustly labeled protein was identified as a class I aldehyde dehydrogenase and shown to be irreversibly inhibited by members of the sulfonate library. Conclusions: Through screening the proteome with a nondirected library of chem. probes, diverse patterns of protein reactivity were uncovered. These probes labeled protein targets based on properties other than abundance, circumventing one of the major challenges facing contemporary proteomics research. Considering further that the probes were found to inhibit a target enzyme's catalytic activity, the methods described herein should facilitate the identification of compds. possessing both selective proteome reactivities and novel bioactivities.
 44
 REFERENCE COUNT: 44
 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
 => s e1 m
 E1 THROUGH E24 ASSIGNED
 => f11 reg
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST
 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
 CA SUBSCRIBER PRICE

ENTRY	SINCE FILE	SESSION	TOTAL
ENTRY	17.06	238.55	
ENTRY	-0.65	-3.91	

 FILE 'REGISTRY' ENTERED AT 09:18:39 ON 22 MAY 2003
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2003 American Chemical Society (ACS)
 Property values tagged with IC are from the ZIC/VINTI data file provided by InfoChem.
 STRUCTURE FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9
 DICTIONARY FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9
 TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003
 Please note that search-term pricing does apply when conducting SmartSELECT searches.
 Crossover limits have been increased. See HELP CROSSOVER for details.
 Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNOC 27, Searching Properties in the CAS Registry file, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnocs27.pdf>
 => s e1-e24
 1 111-87-5/B1

(111-87-5/RN)
 1 112-43-6/B1
 (112-43-6/RN)
 1 115416-38-1/B1
 (115416-38-1/RN)
 1 117800-97-2/B1
 (117800-97-2/RN)
 1 124-63-0/B1
 (124-63-0/RN)
 1 126092-21-5/B1
 (126092-21-5/RN)
 1 16156-52-8/B1
 (16156-52-8/RN)
 1 342792-15-8/B1
 (342792-15-8/RN)
 1 342792-16-9/B1
 (342792-16-9/RN)
 1 342792-17-0/B1
 (342792-17-0/RN)
 1 342792-18-1/B1
 (342792-18-1/RN)
 1 342792-19-2/B1
 (342792-19-2/RN)
 1 342792-20-5/B1
 (342792-20-5/RN)
 1 342792-21-6/B1
 (342792-21-6/RN)
 1 342792-22-7/B1
 (342792-22-7/RN)
 1 342792-23-8/B1
 (342792-23-8/RN)
 1 342792-24-9/B1
 (342792-24-9/RN)
 1 342792-25-0/B1
 (342792-25-0/RN)
 1 342792-26-1/B1
 (342792-26-1/RN)
 1 342792-27-2/B1
 (342792-27-2/RN)
 1 38078-09-0/B1
 (38078-09-0/RN)
 1 64-17-5/B1
 (64-17-5/RN)
 1 66715-65-9/B1
 (66715-65-9/RN)
 1 9028-86-8/B1
 (9028-86-8/RN)
 24 (111-87-5/B1 OR 112-43-6/B1 OR 115416-38-1/B1 OR 117800-97-2/B1
 OR 124-63-0/B1 OR 126092-21-5/B1 OR 16156-52-8/B1 OR 342792-15-8
 /B1 OR 342792-16-9/B1 OR 342792-17-0/B1 OR 342792-18-1/B1 OR
 342792-19-2/B1 OR 342792-20-5/B1 OR 342792-21-6/B1 OR 342792-22-
 7/B1 OR 342792-23-8/B1 OR 342792-24-9/B1 OR 342792-25-0/B1 OR
 342792-26-1/B1 OR 342792-27-2/B1 OR 38078-09-0/B1 OR 64-17-5/B1
 OR 66715-65-9/B1 OR 9028-86-8/B1)

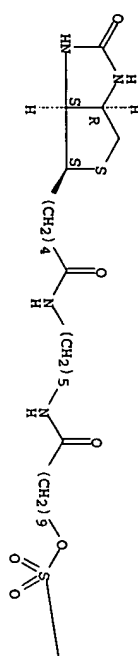
=> d 1-24

L7 ANSWER 1 OF 24 REGISTRY COPYRIGHT 2003 ACS
 RN 342792-27-2 REGISTRY

CN 2-Thiophenesulfonic acid, 10-[(5-[(3aS,4S,6AR)-hexahydro-2-oxo-1H-
 thieno[3,4-d]imidazol-4-yl]-1-oxopentyl)amino]pentyl]-10-oxodecyl
 ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C29 H48 N4 O6 S3
 SR CA
 LC STM Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

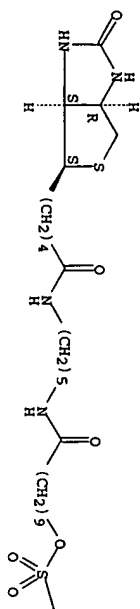


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

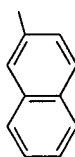
4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 2 OF 24 REGISTRY COPYRIGHT 2003 ACS
 RN 342792-26-1 REGISTRY
 CN 2-Naphthalenesulfonic acid, 10-[(5-[(3aS,4S,6AR)-hexahydro-2-oxo-1H-
 thieno[3,4-d]imidazol-4-yl]-1-oxopentyl)amino]pentyl]-10-oxodecyl
 ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C35 H52 N4 O6 S2
 SR CA
 LC STM Files: CA, CAPLUS, USPATFULL
 Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

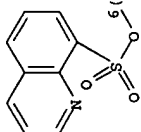
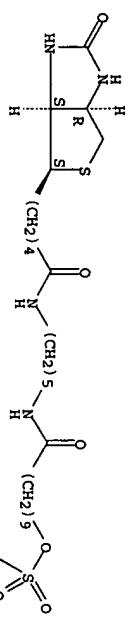


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 3 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-25-0 REGISTRY
CN 8-Quinolinesulfonic acid, 10-[(5-[(3as,4s,6ar)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C34 H51 N5 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

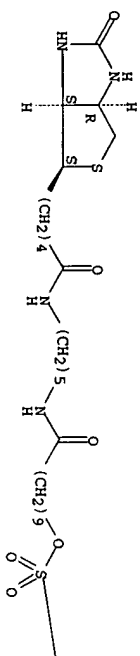


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

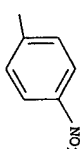
L7 ANSWER 4 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-24-9 REGISTRY
CN Benzenesulfonic acid, 4-nitro-, 10-[(5-[(3as,4s,6ar)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C31 H49 N5 O8 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PAGE 1-A

PAGE 1-B



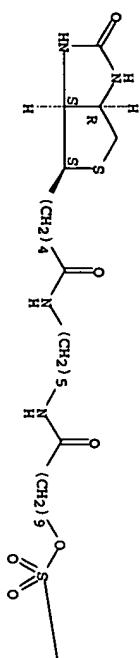
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

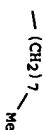
L7 ANSWER 5 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-23-8 REGISTRY
CN 1-Octanesulfonic acid, 10-[(5-[(3as,4s,6ar)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C33 H62 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

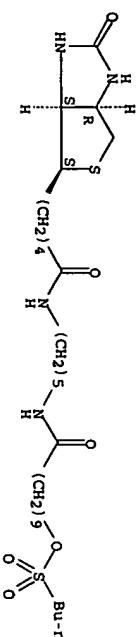


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 6 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-22-7 REGISTRY
CN 1-Butanesulfonic acid, 10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino]pentyl-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H54 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



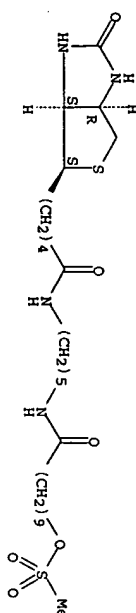
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

PAGE 1-A

L7 ANSWER 7 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-21-6 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-N-[5-[(10-(methylsulfonyl)oxy)-1-oxodecyl]amino]pentyl]-2-oxo-, (3aS,4S,6aR) - (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C26 H48 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.

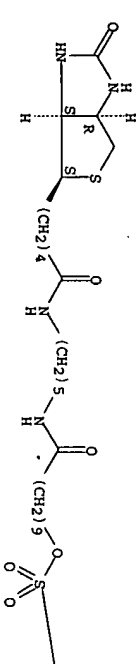


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

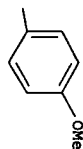
4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 8 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-20-5 REGISTRY
CN Benzenesulfonic acid, 4-methoxy-, 10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino]pentyl-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C32 H52 N4 O7 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



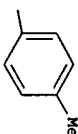
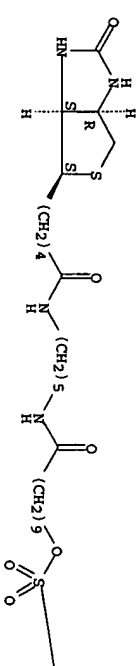
PAGE 1-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 9 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-19-2 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-N-[5-[[10-[[[4-methylphenyl]sulfonyl]oxy]-1-oxodecyl]amino]pentyl]-2-oxo-, (3aS,4S,6aR)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C32 H52 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
Absolute stereochemistry.



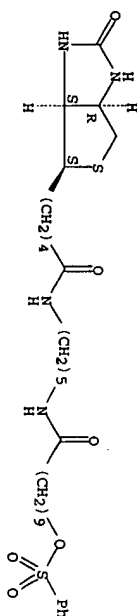
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 10 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-18-1 REGISTRY

CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-2-oxo-N-[5-[[10-oxo-10-[[[phenylsulfonyl]oxy]decyl]amino]pentyl]-, (3aS,4S,6aR)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C31 H50 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

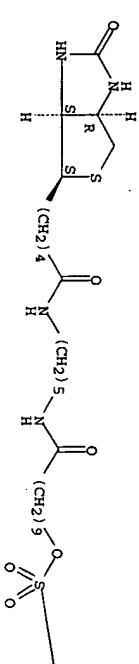
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 11 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-17-0 REGISTRY
CN 2-Pyridinesulfonic acid, 10-[[5-[[5-[[3aS,4S,6aR]-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C30 H49 N5 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
Absolute stereochemistry.

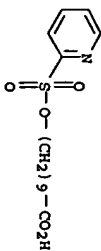




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

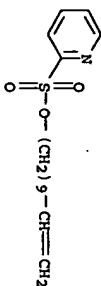
L7 ANSWER 12 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-16-9 REGISTRY
CN decanoic acid, 10-[(2-pyridinylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H23 N O5 S
SR CA
LC STN files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

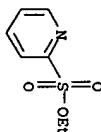
L7 ANSWER 13 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-15-8 REGISTRY
CN 2-pyridinesulfonyl chloride, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H25 N O3 S
SR CA
LC STN files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

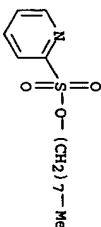
L7 ANSWER 14 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 126092-21-5 REGISTRY
CN 2-pyridinesulfonyl chloride, ethyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Ethyl pyridine-2-sulfonate
FS 3D CONCORD
MF C7 H9 N O3 S
SR CA
LC STN files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 15 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 117800-97-2 REGISTRY
CN 2-pyridinesulfonyl chloride, octyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Octyl 2-pyridinesulfonate
FS 3D CONCORD
MF C13 H21 N O3 S
SR CA
LC STN files: BEILSTEIN*, CA, CAPLUS, CASREACT, USPATFULL
(*file contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

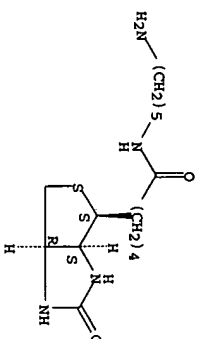
5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 16 OF 24 REGISTRY COPYRIGHT 2003 ACS

Print selected from 09-738,954.tn05/23/2003

RN 115416-38-1 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl)hexahydro-2-oxo-
(3aS,4S,6aR)-(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl)hexahydro-2-oxo-
(3aS-(3a.alpha.,4.beta.,6a.alpha.))-
OTHER NAMES:
CN 5-(Biotinamido)pentylamine
CN Biotinyl cadaverine
CN N-(5-Aminopentyl)biotinamide
PS STEREOSEARCH
MF C15 H28 N4 O2 S
CI COM
LC STN Files: BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, MEDLINE,
TOXCENTER, USPAT2, USPATFUL

Absolute stereochemistry.

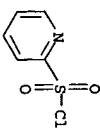


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

60 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
61 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 17 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 66715-65-9 REGISTRY
CN 2-Pyridinesulfonyl chloride (6CI, 7CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2-Pyridinylsulfonyl chloride
CN 2-Pyridylsulfonyl chloride
CN Pyridin-2-sulfonyl chloride
FS 3D CONCORD
MF C5 H4 Cl N O2 S
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, COLD, CAPLUS, CASREACT, TOXCENTER,
USPAT2, USPATFUL
(*File contains numerically searchable property data)

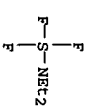
Print selected from 09-738,954.tn05/23/2003



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

72 REFERENCES IN FILE CA (1957 TO DATE)
72 REFERENCES IN FILE CAPLUS (1957 TO DATE)
2 REFERENCES IN FILE COLD (PRIOR TO 1967)

L7 ANSWER 18 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 38078-09-0 REGISTRY
CN Sulfur, (N-ethylethanaminato)trifluoro-, (T-4)-(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethanamine, N-ethyl-, sulfur complex
OTHER NAMES:
CN (Diethylamino)sulfur trifluoride
CN (Diethylamino)sulphur trifluoride
CN (Diethylamino)trifluorosulfur
CN (N,N-Diethylamino)sulfur trifluoride
CN DAST
CN DAST (fluorinating agent)
CN Diethylaminosulfate trifluoride
CN Trifluoro(dieethylamino)sulfur
MF C4 H10 F3 N S
LC STN Files: BEILSTEIN*, BIOSIS, CA, CANCERLIT, CAPLUS,
CASREACT, CHEMCATS, CHEMINFORMX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*,
IFICDB, IFIPAT, IFIUD, IPA, MEDLINE, MSDS-OHS, TOXCENTER, USPAT2,
USPATFUL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**
(**Enter CHEMLIST file for up-to-date regulatory information)

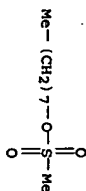


444 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
444 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 19 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 16156-52-8 REGISTRY
CN Methanesulfonic acid, octyl ester (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Octyl mesylate
CN n-Octyl methanesulfonate
CN Octyl mesylate

Print selected from 09-738,954. crn05/23/2003

CN Ocy1 methaneulfonate
PS 3D CONCORD
MF C9 H20 O3 S
LC STN Files: BELSTEIN*, CA, CMOID, CAPLUS, CASREACT, CHEMINFORMRX,
TOXCENTER, USPATFUL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

88 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
88 REFERENCES IN FILE CAPLUS (1957 TO DATE)
3 REFERENCES IN FILE CMOID (PRIOR TO 1957)

L7 ANSWER 20 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 9028-86-8 REGISTRY
CN Dehydrogenase, aldehyde (9CI) (CA INDEX NAME)

OTHER NAMES:
CN 3-Methyl-2-buten-1-al dehydrogenase
CN Aldehyde dehydrogenase
CN Aldehyde dehydrogenase (NAD)
CN Alkanal dehydrogenase
CN CoA-independent aldehyde dehydrogenase
CN E.C. 1.2.1.3
CN Levulinic aldehyde dehydrogenase
CN m-Methylbenzaldehyde dehydrogenase
CN NAD-aldehyde dehydrogenase
CN NAD-dependent 4-hydroxynonanal dehydrogenase
CN NAD-dependent aldehyde dehydrogenase
CN NAD-linked aldehyde dehydrogenase
CN Propionaldehyde dehydrogenase
MF Unspecified
CI MAN
STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CABA, CAPLUS, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, EMBASE, IFICDB,
IFIPAT, IFIUD, NIOSHTIC, PROMT, TOXCENTER, USPAT2, USPATFUL
Other Sources: EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

STRUCTURE DIAGRAM IS NOT AVAILABLE
362 REFERENCES IN FILE CA (1957 TO DATE)
23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
371 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 21 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 124-63-0 REGISTRY
CN Methanesulfonyl chloride (6CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Chloro methyl sulfone

Print selected from 09-738,954. crn05/23/2003

CN Methyl chloride
CN Methanesulfonic acid chloride
CN Methanesulfonyl chloride
CN Methyl sulfochloride
CN Methylsulfonyl chloride
PS 3D CONCORD
MF C H3 Cl O2 S
CI COM

STN Files: AGRICOLA, AQUIRE, BELSTEIN*, BIOBUSINESS, BIOSIS, CA,
CANCERLIT, CMOID, CAPLUS, CASREACT, CBN, CEN, CHEMCATS, CHEMINFORMRX,
CHEMLIST, CIN, CSCHEM, DETHERM*, DIPPR*, EMBASE, GHELIN*, HODOC*, HSDB*,
IFICDB, IFIPAT, IFIUD, MEDLINE, MRC*, MSDS-OHS, NIOSHTIC, PROMT,
RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4138 REFERENCES IN FILE CA (1957 TO DATE)
36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4144 REFERENCES IN FILE CAPLUS (1957 TO DATE)
39 REFERENCES IN FILE CMOID (PRIOR TO 1957)

L7 ANSWER 22 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 112-43-6 REGISTRY
CN 10-Undecen-1-ol (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:
CN .omega.-undecenol
CN .omega.-undecenyl alcohol
CN 1-Undecen-11-ol
CN 10-Undecenol
CN 10-Undecenyl alcohol
CN 10-Undecenyl-1-ol
CN 11-Hydroxy-1-undecene
CN Undecenyl alcohol
FS 3D CONCORD
DR 118020-80-7
MF C11 H22 O
CI COM
STN Files: ANABSTR, BELSTEIN*, BIOBUSINESS, BIOSIS, CA, CMOID, CAPLUS,
CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CSCHEM, GHELIN*,
HODOC*, IFICDB, IFIPAT, IFIUD, PROMT, RTECS*, SPECINFO, SYNTHLINE,
TOXCENTER, USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

Print selected from 09-738,954.crn05/23/2003

1130 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
15097 REFERENCES IN FILE CAPLUS (1957 TO DATE)
11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

--Logging off of STN---

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	43.12	281.67
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.91
STN INTERNATIONAL LOGOFF AT 09:23:07 ON 22 MAY 2003		

Connecting via Winsock to STN

Welcome to STN International! Enter x:x
LOGINID:88sp1a164mct
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Ask CAS* for self-help around the clock
NEWS 3 Jun 03 New e-mail delivery for search results now available
NEWS 4 Aug 08 PHARMARKETLEADER(PHARMARK) - new on STN
NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 7 Sep 03 JAPIC has been reloaded and enhanced
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 10 Oct 01 CASREACT enriched with Reactions from 1907 to 1985
NEWS 11 Oct 24 BRILSTEIN adds new search fields
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13 Nov 18 DRILLIT has been renamed APOLLIT
NEWS 14 Nov 25 More calculated properties added to REGISTRY

Print selected from 09-738,954.crn05/23/2003

NEWS 15 Dec 04 CSA files on STN
NEWS 16 Dec 17 PCTFUL now covers WP/PCT Applications from 1979 to date
NEWS 17 Dec 17 TOXCENTER enhanced with additional content
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20 Feb 13 CANCERLIT is no longer being updated
NEWS 21 Feb 24 METRDEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NITS now allows simultaneous left and right truncation
NEWS 25 Feb 26 PCTFUL now contains images
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multiframe SDI results
NEWS 27 Mar 20 EVENTLINE will be removed from STN
NEWS 28 Mar 24 PATDPAFUL now available on STN
NEWS 29 Mar 24 Additional information for trade-named substances without structures available in REGISTRY
NEWS 30 Apr 11 Display formats in DGENE enhanced
NEWS 31 Apr 14 MEDLINE Reload
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35 Apr 28 RDISCLOSURE now available on STN
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0db(CP)
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)
Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

***** STN Columbus *****
FILE 'HOME' ENTERED AT 09:33:14 ON 22 MAY 2003

=> file caplus	SINCE FILE ENTRY	TOTAL SESSION
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	0.21	0.21

Print selected from 09-738,954. ttn05/23/2003

FILE 'CAPLUS' ENTERED AT 09:33:26 ON 22 MAY 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USACETREMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 22 May 2003 VOL 138 ISS 21
FILE LAST UPDATED: 21 May 2003 (20030521/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> e liu yong?/au
E1 3 LIU YONG ZHI/AU
E2 2 LIU YONG ZHOU/AU
E3 0 --> LIU YONG/AU
E4 1 LIU YONG/AU
E5 6 LIU YONGSHAO/AU
E6 1 LIU YONGSHI/AU
E7 8 LIU YONGSHI/AU
E8 10 LIU YONGSHI/AU
E9 1 LIU YONGSHI/AU
E10 8 LIU YONGSHI/AU
E11 39 LIU YONGSHI/AU
E12 41 LIU YONGSHI/AU

=> more
E13 7 LIU YONGSHI/AU
E14 1 LIU YONGSHI/AU
E15 2 LIU YONGSHI/AU
E16 8 LIU YONGSHI/AU
E17 31 LIU YONGSHI/AU
E18 6 LIU YONGSHI/AU
E19 1 LIU YONGSHI/AU
E20 1 LIU YONGSHI/AU
E21 3 LIU YONGSHI/AU
E22 28 LIU YONGSHI/AU
E23 10 LIU YONGSHI/AU
E24 30 LIU YONGSHI/AU

=> more
E25 1 LIU YONGSHI/AU
E26 37 LIU YONGSHI/AU
E27 1 LIU YONGSHI/AU
E28 5 LIU YONGSHI/AU
E29 1 LIU YONGSHI/AU
E30 3 LIU YONGSHI/AU
```

Print selected from 09-738,954. ttn05/23/2003

```
E31 6 LIU YONGSHI/AU
E32 20 LIU YONGSHI/AU
E33 22 LIU YONGSHI/AU
E34 12 LIU YONGSHI/AU
E35 2 LIU YONGSHI/AU
E36 22 LIU YONGSHI/AU

=> more
E37 1 LIU YONGSHI/AU
E38 1 LIU YONGSHI/AU
E39 1 LIU YONGSHI/AU
E40 4 LIU YONGSHI/AU
E41 64 LIU YONGSHI/AU
E42 22 LIU YONGSHI/AU
E43 1 LIU YONGSHI/AU
E44 13 LIU YONGSHI/AU
E45 3 LIU YONGSHI/AU
E46 1 LIU YONGSHI/AU
E47 1 LIU YONGSHI/AU
E48 58 LIU YONGSHI/AU

=> more
E49 2 LIU YONGSHI/AU
E50 19 LIU YONGSHI/AU
E51 1 LIU YONGSHI/AU
E52 6 LIU YONGSHI/AU
E53 1 LIU YONGSHI/AU
E54 1 LIU YONGSHI/AU
E55 1 LIU YONGSHI/AU
E56 13 LIU YONGSHI/AU
E57 5 LIU YONGSHI/AU
E58 38 LIU YONGSHI/AU
E59 10 LIU YONGSHI/AU
E60 2 LIU YONGSHI/AU

=> e liu yongsh?/au
E61 1 LIU YONGSHI/AU
E62 1 LIU YONGSHI/AU
E63 0 --> LIU YONGSHI/AU
E64 2 LIU YONGSHI/AU
E65 4 LIU YONGSHI/AU
E66 2 LIU YONGSHI/AU
E67 84 LIU YONGSHI/AU
E68 1 LIU YONGSHI/AU
E69 4 LIU YONGSHI/AU
E70 1 LIU YONGSHI/AU
E71 15 LIU YONGSHI/AU
E72 1 LIU YONGSHI/AU

=> e66-e67
E66 2 "LIU YONGSHI"/AU
E67 84 "LIU YONGSHI"/AU OR "LIU YONGSHI"/AU

=> li and 96/so and 14694/so
127729 96/so
15 14694/so
L2 1 LI AND 96/so AND 14694/so
```

Print selected from 09-738.954.trn05/23/2003

=> d 1b1b abs 12

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:11215 CAPLUS
DOCUMENT NUMBER: 132:177287
TITLE: Activity-based protein profiling: the serine
hydrolases

AUTHOR(S): Liu, Tongsheng; Patricelli, Matthew P.;
Cravatt, Benjamin F.

CORPORATE SOURCE:

The Skaggs Institute for Chemical Biology and
Department of Cell Biology, The Scripps Research
Institute, La Jolla, CA, 92037, USA
Proceedings of the National Academy of Sciences of the
United States of America (1999), 96(26),
14694-14699

CODEN: PNASAG; ISSN: 0027-8424
National Academy of Sciences

PUBLISHER:

Journal

LANGUAGES:

English

AB With the postgenome era rapidly approaching, new strategies for the functional anal. of proteins are needed. To date, proteomics efforts have primarily been confined to recording variations in protein level rather than activity. The ability to profile classes of proteins on the basis of changes in their activity would greatly accelerate both the assignment of protein function and the identification of potential pharmaceutical targets. Here, we describe the chem. synthesis and utility of an active-site directed probe for visualizing dynamics in the expression and function of an entire enzyme family, the serine hydrolases. By reacting this probe, a biotinylated fluorophosphate referred to as FP-biotin, with crude tissue exts., we quickly and with high sensitivity detect numerous serine hydrolases, many of which display tissue-restricted patterns of expression. Addnl., we show that FP-biotin labels these proteins in an activity-dependent manner that can be followed kinetically, offering a powerful means to monitor dynamics simultaneously in both protein function and expression.

THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> select in
ENTER ANSWER SET OR SMARTSELECT L# OR (L2) :12
ENTER ANSWER NUMBER OR RANGE (1-):end

=> sel in
E73 THROUGH E88 ASSIGNED

=> file reg
COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
11.89 12.10

FULL ESTIMATED COST
11.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
SINCE FILE TOTAL
ENTRY SESSION
-0.65 -0.65

CA SUBSCRIBER PRICE
-0.65

FILE 'REGISTRY' ENTERED AT 09:36:44 ON 22 MAY 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE 'HELP USAGETERMS' FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Print selected from 09-738.954.trn05/23/2003

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9
DICTIONARY FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

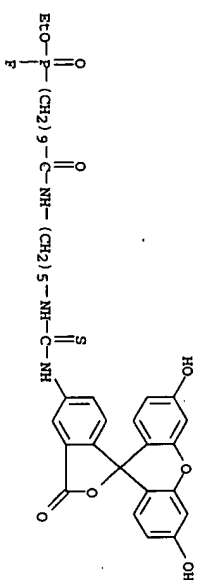
Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNOC 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stn0227.pdf>

=> e73-e88

1 115416-38-1/BI
(115416-38-1/RN)
1 122-52-1/BI
(122-52-1/RN)
1 153101-19-0/BI
(153101-19-0/RN)
1 156125-40-5/BI
(156125-40-5/RN)
1 259270-26-3/BI
(259270-26-3/RN)
1 259270-27-4/BI
(259270-27-4/RN)
1 259270-28-5/BI
(259270-28-5/RN)
1 259270-29-6/BI
(259270-29-6/RN)
1 37259-58-8/BI
(37259-58-8/RN)
1 51148-67-5/BI
(51148-67-5/RN)
1 6066-82-6/BI
(6066-82-6/RN)
1 73562-30-8/BI
(73562-30-8/RN)
1 7766-49-6/BI
(7766-49-6/RN)
1 87328-05-0/BI
(87328-05-0/RN)
1 9027-41-2/BI
(9027-41-2/RN)
1 98-59-9/BI
(98-59-9/RN)
16 (115416-38-1/BI OR 122-52-1/BI OR 153101-19-0/BI OR 156125-40-5/
BI OR 259270-26-3/BI OR 259270-27-4/BI OR 259270-28-5/BI OR
259270-29-6/BI OR 37259-58-8/BI OR 51148-67-5/BI OR 6066-82-6/BI
OR 73562-30-8/BI OR 7766-49-6/BI OR 87328-05-0/BI OR 9027-41-2/
BI OR 98-59-9/BI)

=> d 1-16

L3 ANSWER 1 OF 16. REGISTRY COPYRIGHT 2003 ACS
 RN 259270-28-6 REGISTRY
 CN Phosphonofluoridic acid, [10-[[[5-[[[(3',6'-dihydroxy-3-oxospiro[1.5]undecan-1(3H),9'-[9H]xanthene)-5-yl]amino]thioxomethyl]amino]pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C38 H47 F N3 O8 P S
 SR CA
 LC STN files: CA, CAPLUS, TOXCENTER, USPATFULL

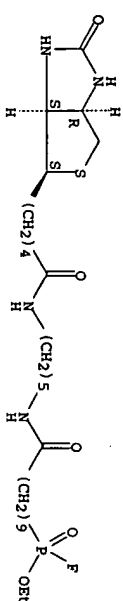


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 2 OF 16. REGISTRY COPYRIGHT 2003 ACS
 RN 259270-28-5 REGISTRY
 CN Phosphonofluoridic acid, [10-[[[5-[[[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazo[4,5-b]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C27 H50 F N4 O5 P S
 SR CA
 LC STN files: CA, CAPLUS, TOXCENTER, USPATFULL

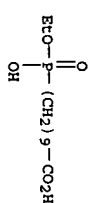
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)

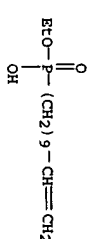
L3 ANSWER 3 OF 16. REGISTRY COPYRIGHT 2003 ACS
 RN 259270-27-4 REGISTRY
 CN Decanoic acid, 10-(ethoxyhydroxyphosphinyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C12 H25 O5 P
 SR CA
 LC STN files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

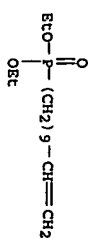
L3 ANSWER 4 OF 16. REGISTRY COPYRIGHT 2003 ACS
 RN 259270-26-3 REGISTRY
 CN Phosphonic acid, 10-undecenyl-, monoethyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C13 H27 O3 P
 SR CA
 LC STN files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 5 OF 16. REGISTRY COPYRIGHT 2003 ACS
 RN 156125-40-5 REGISTRY
 CN Phosphonic acid, 10-undecenyl-, diethyl ester (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Diethyl 10-undecenylphosphonate
 FS 3D CONCORD
 MF C15 H31 O3 P
 SR CA
 LC STN files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 6 OF 16 REGISTRY COPYRIGHT 2003 ACS
RN 15301-19-0 REGISTRY
CN Amidase, fatty acid (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Amidase, cis-9-octadecenamide
CN Anandamide
CN Anandamide amidase
CN Anandamide amidohydrolyase
CN Anandamide hydrolyase
CN Arachidonyl ethanolamide amidase
CN cis-9,10-octadecenoamide
CN cis-9-octadecenamide amidase
CN Fatty acid amidase
CN Fatty acid amide hydrolyase
CN Fatty acid amide hydrolyase
CN Fatty acid ethanolamide hydrolyase
CN N-Arachidonyl ethanolamine amidohydrolyase
CN N-Palmitoyl ethanolamine hydrolyase
CN Oleamide amidase
CN Oleamide hydrolyase
DR 178037-69-9, 162731-88-6
MF Unspecified
CI MAN
CA
LC STN Files: ADISINS, AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, EMBASE, TOXICENTER, USPAT2, USPATFILL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

140 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
141 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 7 OF 16 REGISTRY COPYRIGHT 2003 ACS

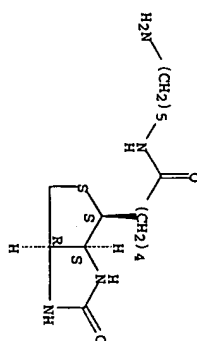
RN 115416-18-1 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl)hexahydro-2-oxo-
(3aS,4S,6aR)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl)hexahydro-2-oxo-
(3aS,4S,6aR)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 5-(Biotinamido)pentylamine
CN Biotinyl cadaverine
CN N-(5-Aminopentyl)biotinamide
PS STEREOSEARCH
MF C15 H28 N4 O2 S

CI COM
SR CA
LC STN Files: BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, MEDLINE, TOXICENTER, USPAT2, USPATFILL
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

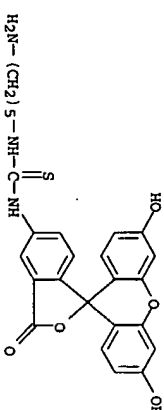
60 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
61 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 8 OF 16 REGISTRY COPYRIGHT 2003 ACS

RN 87328-05-0 REGISTRY
CN Thiourea, N-(5-aminopentyl)-N'-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-(9H)xanthene]-5-yl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Spiro[isobenzofuran-1(3H),9'-(9H)xanthene], thiourea deriv.
AR 56923-81-0
PS 3D CONCORD
MF C26 H25 N3 O5 S
CI COM
LC STN Files: CA, CAPLUS, CASREACT, CSCHEM, TOXICENTER, USPAT2, USPATFILL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

23 REFERENCES IN FILE CA (1957 TO DATE)

3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
23 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 9 OF 16 REGISTRY COPYRIGHT 2003 ACS
RN 73562-10-8 REGISTRY
CN Peptidase, acylaminoacyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN alpha-N-acylpeptide hydrolase
CN Acetylaminoacyl-peptide hydrolase
CN Acetylpeptide hydrolase
CN Acylamino acid-releasing enzyme
CN Acylaminoacyl peptidase
CN Acylpeptide hydrolase
CN E.C. 3.4.14.3
CN E.C. 3.4.19.1
CN Hydrolase, acylpeptide
CN N-acylpeptide hydrolase
DR 95567-87-6
MF Unspecified
CI MAN
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, CIN, PROMT, TOXCENTER, USPAPFUL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

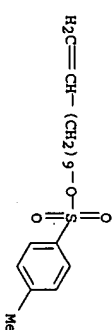
59 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
60 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 10 OF 16 REGISTRY COPYRIGHT 2003 ACS

RN 51148-67-5 REGISTRY
CN 10-Undecen-1-ol, 4-methylbenzenesulfonate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 10-Undecen-1-yl p-toluenesulfonate
CN 10-Undecen-1-yl tosylate
CN 10-Undecenyl p-toluenesulfonate
CN 10-Undecenyl tosylate
CN 10-Undecenyl-4-toluenesulfonate
FS 3D CONCORD
MF C18 H28 O3 S
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMX, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAP2, USPAPFUL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

56 REFERENCES IN FILE CA (1957 TO DATE)
56 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 11 OF 16 REGISTRY COPYRIGHT 2003 ACS
RN 37239-58-8 REGISTRY
CN Protease, serine (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Bacillus alk. serine proteinase
CN Bactosol SI
CN Caldoase
CN Cerastrin
CN Gene ester serine protease
CN Herpes simplex virus type 1 proteinase
CN Proteinase R
CN Proteinase T
CN Proteinase, gene ester
CN Proteins, gene snake
CN Prozyme 6
CN Serine endopeptidase
CN Serine esterase
CN Serine peptidase
CN Serine protease
CN Serine proteinase
CN Serine-type protease
CN Seryl protease
CN Tryase
DR 139074-63-8, 116036-72-7
MF Unspecified
CI MAN
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, EMBASE, IFICDB, IFIPAT, IFIUDB, PROMT, RTECS*, TOXCENTER, USPAP2, USPAPFUL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(*Enter CHEMLIST file for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

5675 REFERENCES IN FILE CA (1957 TO DATE)
87 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5889 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 12 OF 16 REGISTRY COPYRIGHT 2003 ACS

RN 3027-41-2 REGISTRY
CN Hydrolase (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Adrelase
CN Hydrolytic enzymes
MF Unspecified
CI MAN
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CEN, CIN, CSNB, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, USPAP2, USPAPFUL

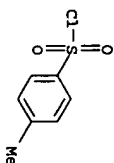
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

2641 REFERENCES IN FILE CA (1957 TO DATE)
42 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2649 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 13 OF 16 REGISTRY COPYRIGHT 2003 ACS
RN 7766-49-6 REGISTRY

Print selected from 09-738,954.tin05/23/2003

FS. 3D CONCORD
MF C7 H7 Cl O2 S
CI COM
LC STN Files: AGRICOLA, BRILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA,
CANCERLIT, CAOLD, CAPLUS, CASREACT, CBMB, CHEMCATS, CHEMINFORMX,
CHEMIST, CIN, CSCHEM, CSNB, DETHERM*, EMBASE, GMEILIN*, HODOC*, HSDB*,
IPICDB, IPIPAT, IPIUDA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIDCOM*,
PIRA, PROMT, SPECINFO, SYNTLINE, TOXICENTER, TULSA, USPAT2, USPATEFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5891 REFERENCES IN FILE CA (1957 TO DATE)
81 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5901 REFERENCES IN FILE CAPLUS (1957 TO DATE)
35 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE
FILE 'CAPLUS' ENTERED AT 09:38:18 ON 22 MAY 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE 'HELP USAGETERMS' FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

ENTRY	SINCE FILE	TOTAL
28.08	ENTRY	SESSION
40.18		
0.00	ENTRY	TOTAL
-0.65		SESSION

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The American Chemical Society is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of ACS, is strictly prohibited.

FILE COVERS 1907 - 22 May 2003 VOL 138 ISS 21

Print selected from 09-738,954.tin05/23/2003

FILE LAST UPDATED: 21 May 2003 (20030521/ED)
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 259270-28-5/rn
4 259270-28-5
0 259270-28-5D
L4 4 259270-28-5/rn
(259270-28-5 (NOTL) 259270-28-5D)

=> d 1bib abs hitster 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2003:221903 CAPLUS
DOCUMENT NUMBER: 138:250709
TITLE: Serine/threonine hydrolases of of normal and neoplastic prostate and their use in antitumor screening and cancer diagnosis
INVENTOR(S): Smith, Jeffrey W.; Kridel, Steven J.; Axelrod, Fumiko
PATENT ASSIGNEE(S): The Burnham Institute, USA
SOURCE: PCT Int. Appl., 78 pp.
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

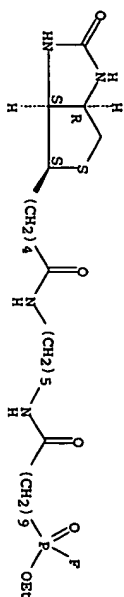
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003023355	A2	200303120	WO 2002-0528438	20020904
M: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DP, EC, EE, ES, FI, GB, GD, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PA, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RM: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPN. INFO.: US 2001-317842P P 20010906
AB Proteins specific for prostate epithelial cells, normal or neoplastic, are identified and used for diagnosis, development of antibodies, and for evaluating drugs that react with the neoplastic specific proteins. Affinity based probes are used that react specifically with the active site to provide a measure of the enzyme activity of the cells. Thus, serine hydrolase activities of normal prostate epithelial cells and of INCaP, CU-145, and PC-3 prostate cancer cells were analyzed. Numerous differences in sol. and membrane-assoc. activities were obsd. For example, fatty acid synthase was found in all prostate cancer cells but not in normal prostate cells while carboxylesterase II was found in the normal but not in the cancer cells. Affinity probes, such as N-(10-(fluoroethoxyphosphoryl)decyl)-5-(aminothiocarbonyl)amino)fluorescein, were prepd. and used in the anal. of hydrolase activity.

Print selected from 09-738,954. tnm05/23/2003

RL: BIOL (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(serine/threonine hydrolases of of normal and neoplastic prostate and their use in antitumor screening and cancer diagnosis)
RN 259270-28-5 CAPLUS
CN Phosphonofluoridic acid, [10-[(5-[(3as,4s,6ar)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl]-ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001.763123 CAPLUS
DOCUMENT NUMBER: 135.315598
TITLE: Methods for proteomic analysis using activity based probes for target proteins

INVENTOR(S): Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory
PATENT ASSIGNEE(S): Scripps Research Institute, USA
SOURCE: PCT Int. Appl., 119 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077684	A2	20011018	WO 2000-US34187	20001215
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NZ, OL, OM, OS, PA, PE, PG, PH, PI, PL, PT, PU, RW, SA, SG, SI, SK, SL, SM, SN, SR, ST, SV, SW, SZ, TD, TH, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CU, CV, CW, CX, CY, CZ, DA, DB, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ				

Print selected from 09-738,954. tnm05/23/2003

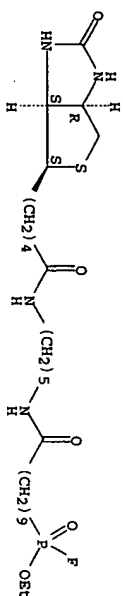
US 2000-738271 A1 20001215
US 2000-738954 A1 20001215
WO 2000-US34187 W 20001215

OTHER SOURCE(S):

AB The present invention provides methods for analyzing proteomes, as cells or lysates. The anal. is based on the use of probes that have specificity to the active form of proteins, particularly enzymes and receptors. The probes can be identified in different ways. In accordance with the present invention, a method is provided for generating and screening compd. libraries that are used for the identification of lead mols., and for the parallel identification of their biol. targets. By appending specific functionalities and/or groups to one or more binding moieties, the reactive functionalities gain binding affinity and specificity for particular proteins and classes of proteins. Such libraries of candidate compds., referred to herein as activity-based probes, or ABPs, are used to screen for one or more desired biol. activities or target proteins.

IT 259270-28-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(FP-biotin; methods for proteomic anal. using activity based probes for target proteins)
RN 259270-28-5 CAPLUS
CN Phosphonofluoridic acid, [10-[(5-[(3as,4s,6ar)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl]-ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001.763109 CAPLUS
DOCUMENT NUMBER: 135.315597

TITLE: Methods for bioactivity screening of candidate compounds using activity based probes
INVENTOR(S): Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory
PATENT ASSIGNEE(S): Scripps Research Institute, USA
SOURCE: PCT Int. Appl., 118 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077668	A2	20011018	WO 2000-US34167	20001215
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NZ, OL, OM, OS, PA, PE, PG, PH, PI, PL, PT, PU, RW, SA, SG, SI, SK, SL, SM, SN, SR, ST, SV, SW, SZ, TD, TH, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CU, CV, CW, CX, CY, CZ, DA, DB, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ				

CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, SV, TW, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, BG, BI, BR, CA, CH, CN, CO, CR, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GM, ML, NE, NG, SN, TD, TG

US 2002065194 A1 20020418 US 2000-738954 20001215
US 2002064275 A1 20020404 US 2001-836148 20010416
US 2002064789 A1 20020530 US 2001-836145 20010416
US 20021205 A1 20021205 US 2002-138458 20020529
US 2000-195954P P 20000410
US 2000-212891P P 20000620
US 2000-222532P P 20000802
US 2000-738271 A1 20001215
US 2000-738954 A1 20001215

PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

AB The present invention provides methods for analyzing processes, as cells or lysates. The anal. is based on the use of probes that have specificity to the active form of proteins, particularly enzymes and receptors. The probes can be identified in different ways. In accordance with the present invention, a method is provided for generating and screening compd. libraries that are used for the identification of lead mols., and for the parallel identification of their biol. targets. By appending specific functionalities and/or groups to one or more binding moieties, the reactive functionalities gain binding affinity and specificity for particular proteins and classes of proteins. Such libraries of candidate compds., referred to herein as activity-based probes, or ABPs, are used to screen for one or more desired biol. activities or target proteins.

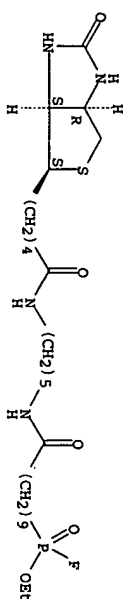
IT 259770-28-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PRP (Preparation); RACT (Reactant or reagent)

(FP: biotin; methods for bioactivity screening of candidate compds. using activity based probes)

RN 259770-28-5 CAPLUS
CN Phosphonofluoridic acid, [10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino]pentyl]-10-oxodecyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



14 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000-11215 CAPLUS
DOCUMENT NUMBER: 132:177287
TITLE: Activity-based protein profiling: the serine hydrolases
AUTHOR(S): Liu, Yongsheng; Patrice, Matthew P.; Cravatt,

CORPORATE SOURCE:

SOURCE:

PUBLISHER:

DOCUMENT TYPE:

Benjamin F. The Skaggs Institute for Chemical Biology and Department of Cell Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
Proceedings of the National Academy of Sciences of the United States of America (1999), 96(126), 14694-14699
CODEN: PNASA6; ISSN: 0027-8424
National Academy of Sciences
Journal English

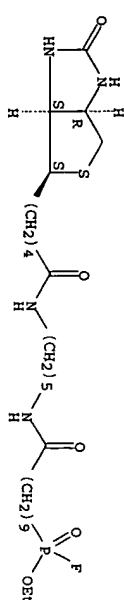
AB With the postgenome era rapidly approaching, new strategies for the functional anal. of proteins are needed. To date, proteomics efforts have primarily been confined to recording variations in protein level rather than activity. The ability to profile classes of proteins on the basis of changes in their activity would greatly accelerate both the assignment of protein function and the identification of potential pharmaceutical targets. Here, we describe the chem. synthesis and utility of an active-site directed probe for visualizing dynamics in the expression and function of an entire enzyme family, the serine hydrolases. By reacting this probe, a biotinylated fluorophosphonate referred to as FP-biotin, with crude tissue exts., we quickly and with high sensitivity detect numerous serine hydrolases, many of which display tissue-restricted patterns of expression. Addnl., we show that FP-biotin labels these proteins in an activity-dependent manner that can be followed kinetically, offering a powerful means to monitor dynamics simultaneously in both protein function and expression.

IT 259770-28-5P

RL: BUU (Biological use, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PRP (Preparation); RACT (Reactant or reagent); USES (Uses)

RN 259770-28-5 CAPLUS
CN Phosphonofluoridic acid, [10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino]pentyl]-10-oxodecyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> DIS HIST

(FILE 'HOME' ENTERED AT 09:33:14 ON 22 MAY 2003)
FILE 'CAPLUS' ENTERED AT 09:33:26 ON 22 MAY 2003
E LIU YONGSHENG/AU
E LIU YONGSHENG/AU

Print selected from 09-738,954.tnn05/23/2003

L1 86 E66-E67
L2 1 L1 AND 96/SO AND 14694/SO
SEL RN

L3 FILE 'REGISTRY' ENTERED AT 09:36:44 ON 22 MAY 2003
16 E73-E88

L4 FILE 'CAPLUS' ENTERED AT 09:38:18 ON 22 MAY 2003
4 259270-28-5/RN